orm 3160-3
August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

5 Lease Serial No	UT ST ML-3141-A
6 If Indian, Allottee or Tribe Name	TRIBAL SURFACE
7 If Unit or CA Agreement, Name and No	UNIT #891008900A
8 Lease Name and Well No	NBU 921-16MT
9 API Well No	43-047-39362
10 Field and Pool, or Exploratory	NATURAL BUTTES
11 Sec , T , R , M , or Blk, and Survey or Area	SEC. 16, T9S, R21E
12 County or Parish	UINTAH
13 State	UTAH

1a Type of Work [X] DRILL [ ] REENTER

b Type of Well [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

2 Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

3A Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b Phone No *(include area code)*
(435) 781-7024

4 Location of Well *(Report location clearly and in accordance with any State requirements *)*
At surface SW/SW 1261'FSL, 1248'FWL 622779X 40.032247
At proposed prod Zone 4432184 -109.561019

14 Distance in miles and direction from nearest town or post office*
10.7 +/- MILES SOUTHEAST OF OURAY, UTAH

15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) 1248'	16 No of Acres in lease 280.00	17 Spacing Unit dedicated to this well 40.00
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft REFER TO TOPO C	19 Proposed Depth 10,250'	20 BLM/BIA Bond No on file RLB0005239
21 Elevations (Show whether DF, KDB, RT, GL, etc) 4823'GL	22 Approximate date work will start* UPON APPROVAL	23 Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form

1 Well plat certified by a registered surveyor
2 A Drilling Plan
3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office
4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
5 Operator certification
6 Such other site specific information and/or plans as may be required by the authorized office

25 Signature	Name *(Printed/Typed)* SHEILA UPCHEGO	Date 6/4/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by *(Signature)*	Name *(Printed/Typed)* BRADLEY G. HILL	Date 11-08-07
Title	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Conditions of approval, if any, are attached

Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

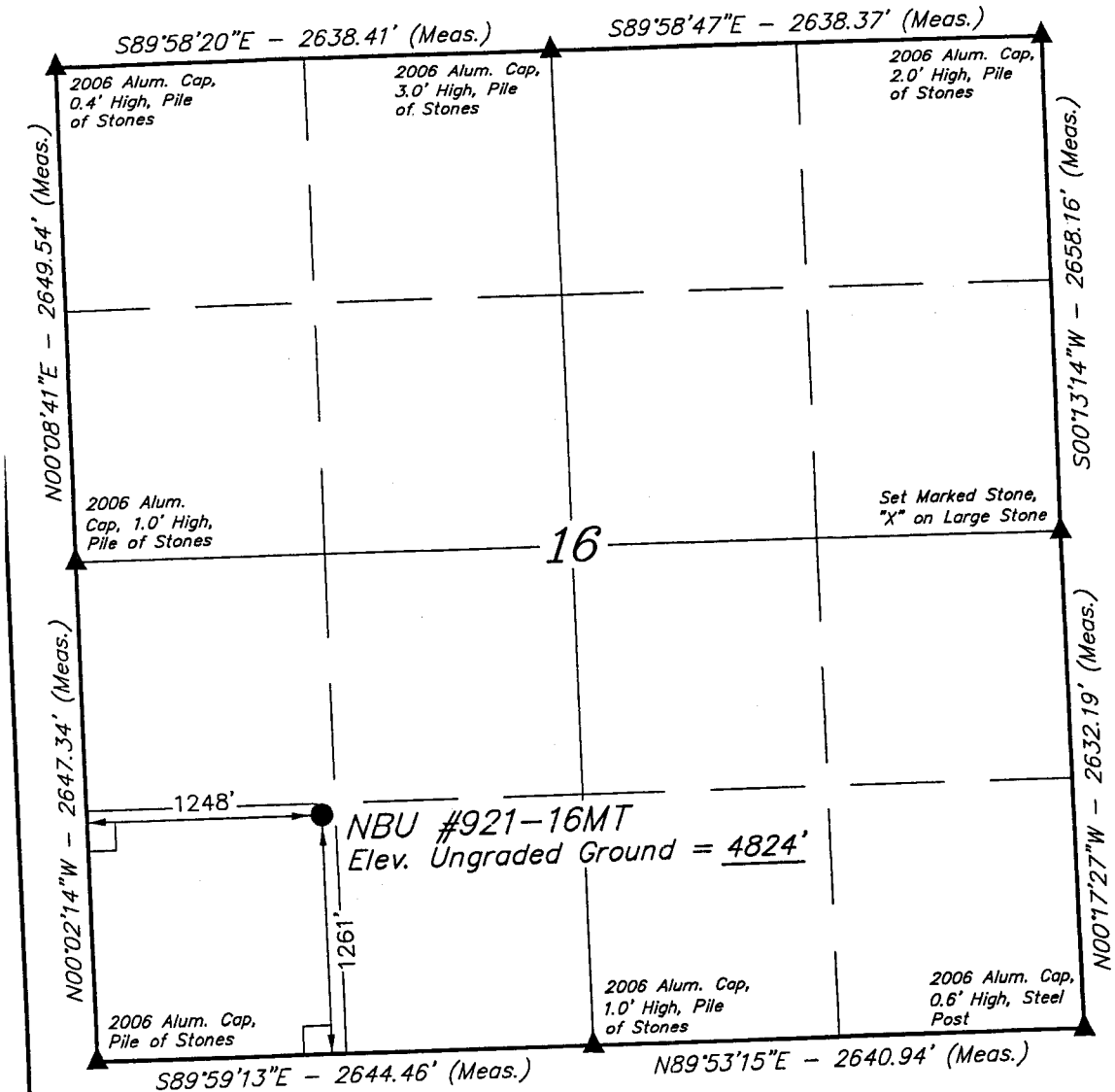
**(Instructions on reverse)*

RECEIVED
JUN 11 2007
DIV. OF OIL, GAS & MINING

Federal Approval of this Action is Necessary

Kerr-McGee Oil & Gas Onshore LP

T9S, R21E, S.L.B.&M.



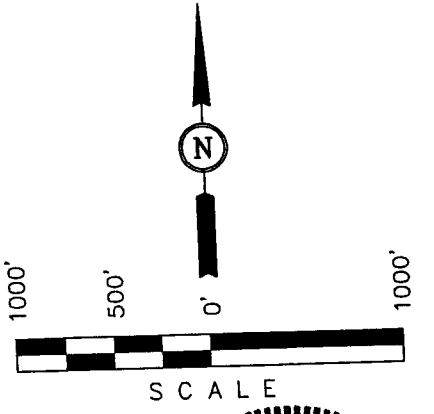
Well location, NBU #921-16MT, located as shown in the SW 1/4 SW 1/4 of Section 16, T9S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°01'56.25" (40.032292)
LONGITUDE = 109°33'42.21" (109.561725)
(NAD 27)
LATITUDE = 40°01'56.38" (40.032328)
LONGITUDE = 109°33'39.73" (109.561036)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-31-07	DATE DRAWN: 04-06-07
PARTY D.K. M.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-16MT
SW/SW Sec. 16, T9S, R21E
UINTAH COUNTY, UTAH
UT ST ML-3141-A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1673'
Top of Birds Nest Water	1986'
Mahogany	2358'
Wasatch	5076'
Mesaverde	8052'
MVU2	8983'
MVL1	9557'
TD	10,250'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1673'
	Top of Birds Nest Water	1986'
	Mahogany	2358'
	Wasatch	5076'
Gas	Mesaverde	8052'
Gas	MVU2	8983'
Gas	MVL1	9557'
Gas	N/A	
Water	N/A	
Other Minerals		

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,250' TD, approximately equals 6355 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4100 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	May 31, 2007
WELL NAME	**NBU 921-16MT**	TD	10,250' MD/TVD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah
ELEVATION	4,823' GL	KB 4,838'	
SURFACE LOCATION	SWSW, SEC 16-T9S-R21E, 1261' FSL 1248' FWL		BHL Straight Hole
	Latitude: 40.032292	Longitude: 109.561725	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: TRIBAL SURF & BLM MINERALS, UDOGM, Tri-County Health Dept.		

GEOLOGICAL FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
	40'	14"		
		12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 36# J55 will be run on bottom	
Catch water sample, if possible, from 0 to	5,076'			
Green River @	1,673'			
Top of Birds Nest Water @	1,986'			
Mahogany @	2,358'			
Preset f/ GL @	2,600' MD			
		7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.8 ppg
Wasatch @	5,076'			
Mverde @	8,052'			
MVU2 @	8,983'			
MVL1 @	9,557'			
TD @	10,250'			Max anticipated Mud required 11.8 ppg

Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Mud logging program TBD

Open hole logging program f/ TD - surf csg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL		WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'							
							2270	1370	254000
SURFACE	9-5/8"	0	to 2200	32.30	H-40	STC	0.56*******	1.33	3.45
							3520	2020	564000
	9-5/8"	2200	to 2600	36.00	J-55	STC	1.11*******	1.66	7.67
							7780	6350	201000
PRODUCTION	4-1/2"	0	to 10250	11.60	I-80	LTC	1.93	1.01	1.94

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

.22 psi/ft = gradient for partially evac wellbore

(Burst Assumptions: TD = 11.8 ppg)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

(Collapse Assumption: Fully Evacuated Casing, Max MW)

MASP 4034 psi

******** Burst SF is low but csg is stronger than formation at 2600 feet

******** EMW @ 2600 for 2270# is 16.6 ppg or 0.9 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 25 pps flocele				
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
			+ 2% CaCl + 25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
			NOTE: If well will circulate water to surface, option 2 will be utilized				
SURFACE	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.00	3.82
Option 2			+ 25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,570'	Premium Lite II + 3% KCl + 0.25 pps	500	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,680'	50/50 Poz/G + 10% salt + 2% gel	1590	60%	14.30	1.31
			+ 1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

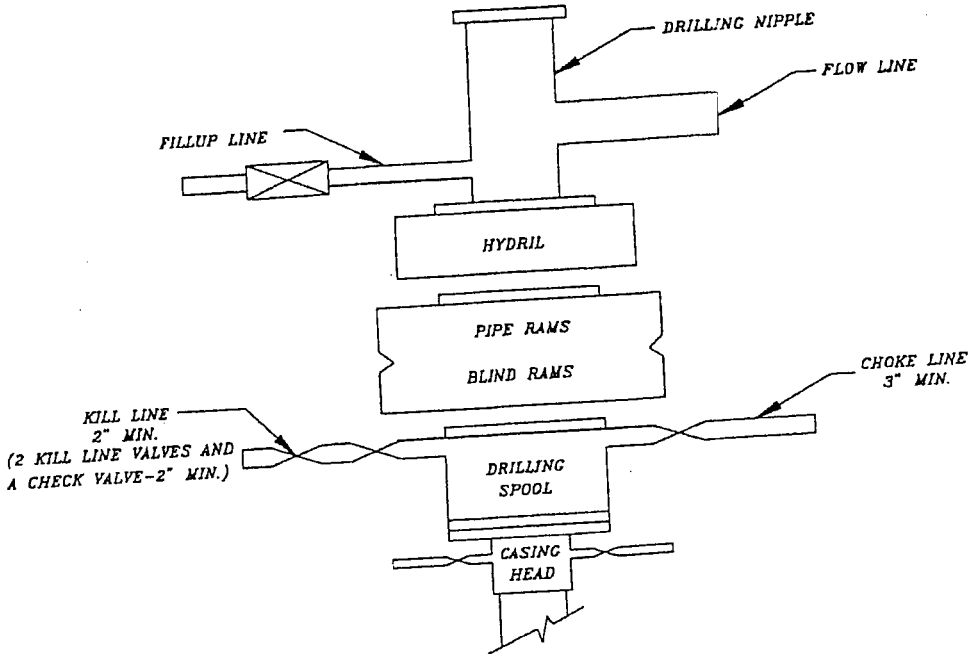
DRILLING ENGINEER: _____ **DATE:** _____

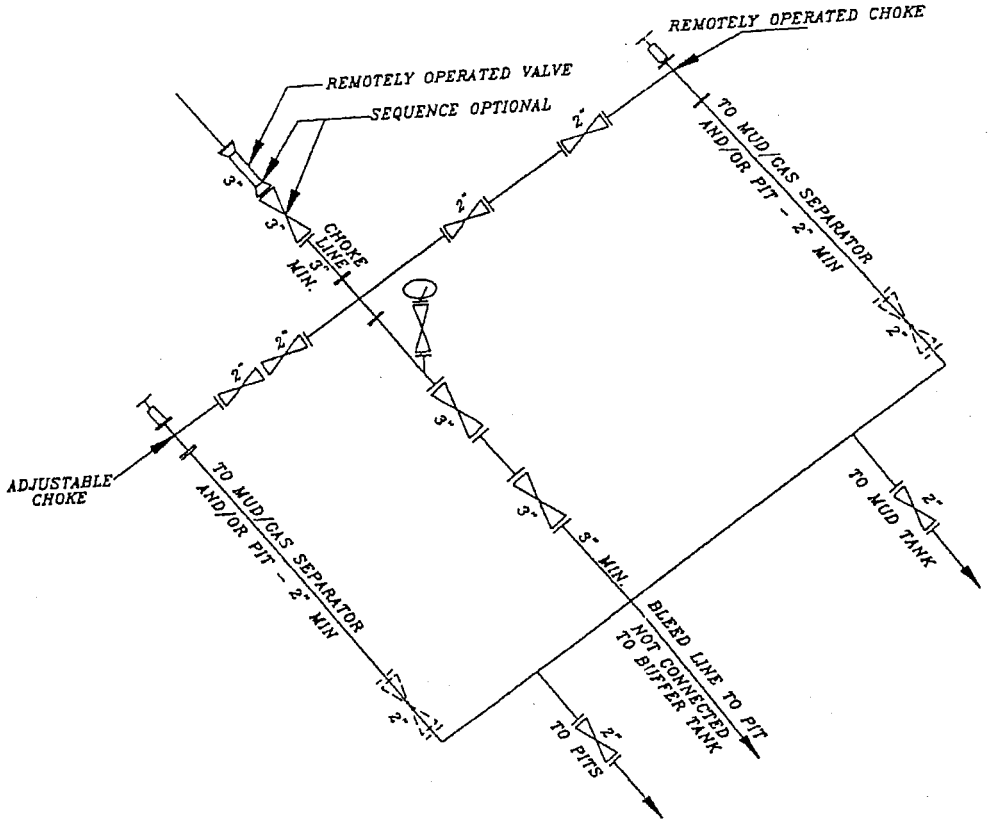
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 921-16MT
SW/SW SEC. 16, T9S, R21E
UINTAH COUNTY, UTAH
UT ST ML-3141-A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 40' +/- of new access road is proposed. Please refer to the attached Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Approximately 346' +/- of 4" steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. **Lessee's or Operator's Representative & Certification:**

Sheila Ucphego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bold #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

6/4/2007
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16MT
SECTION 16, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 40' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 41.7 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16MT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 16, T9S, R21E, S.L.B.&M.

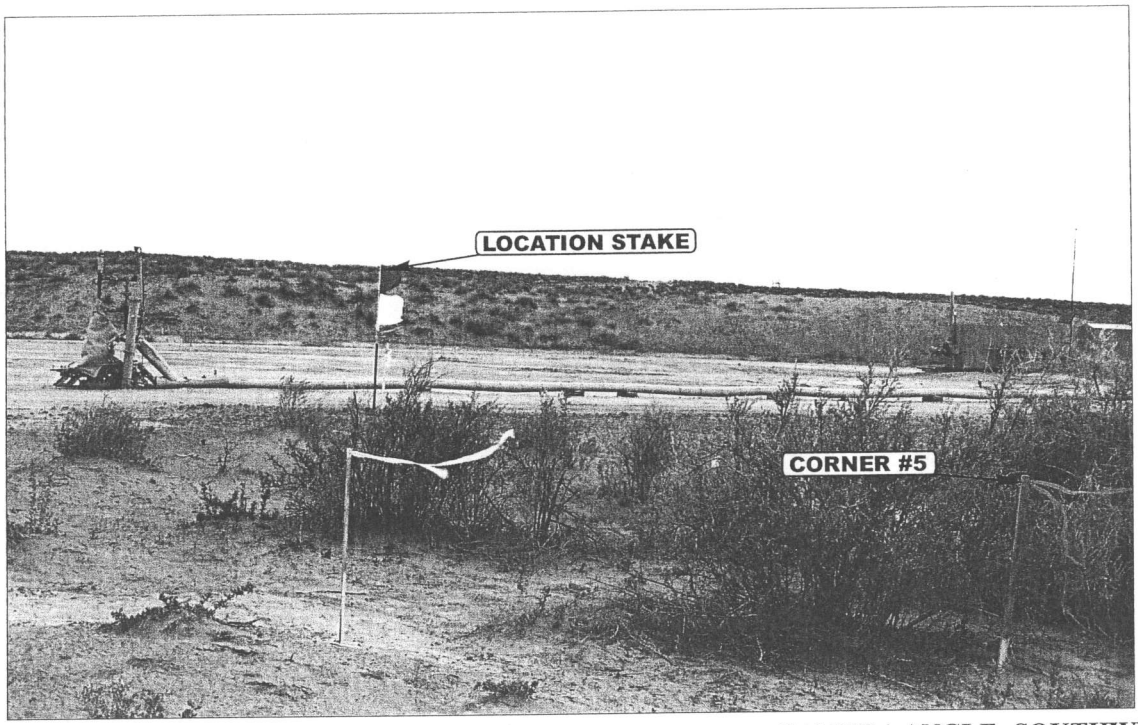


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: SOUTHWESTERLY**

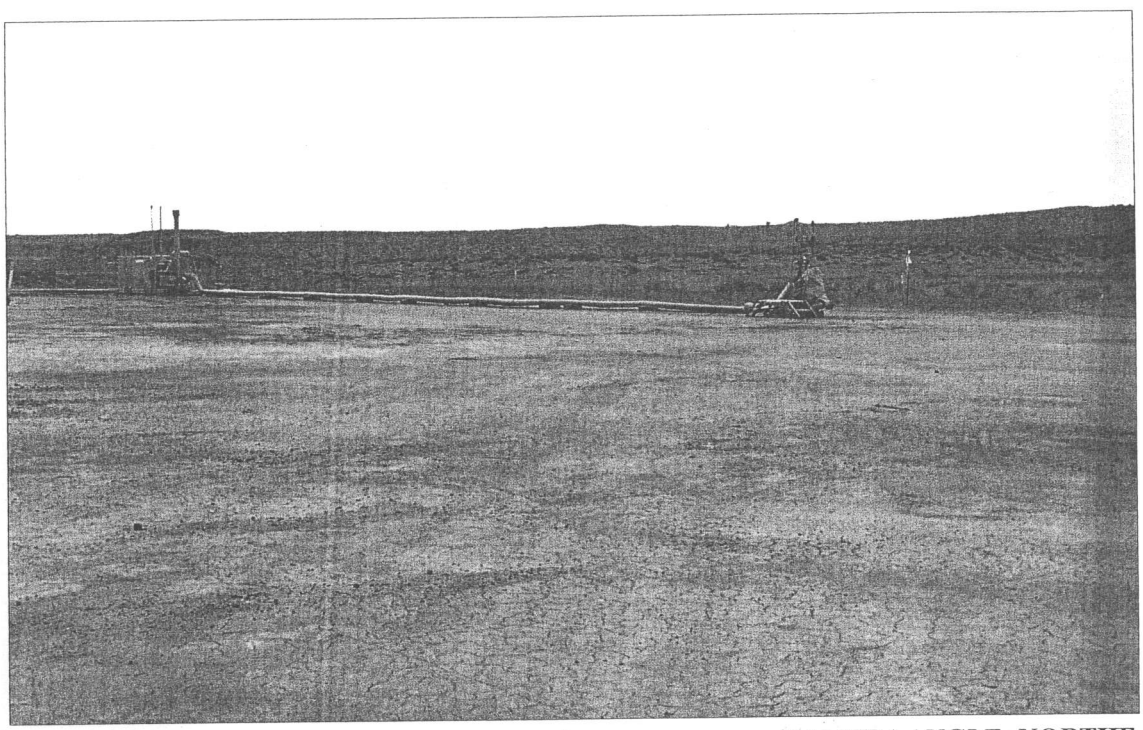
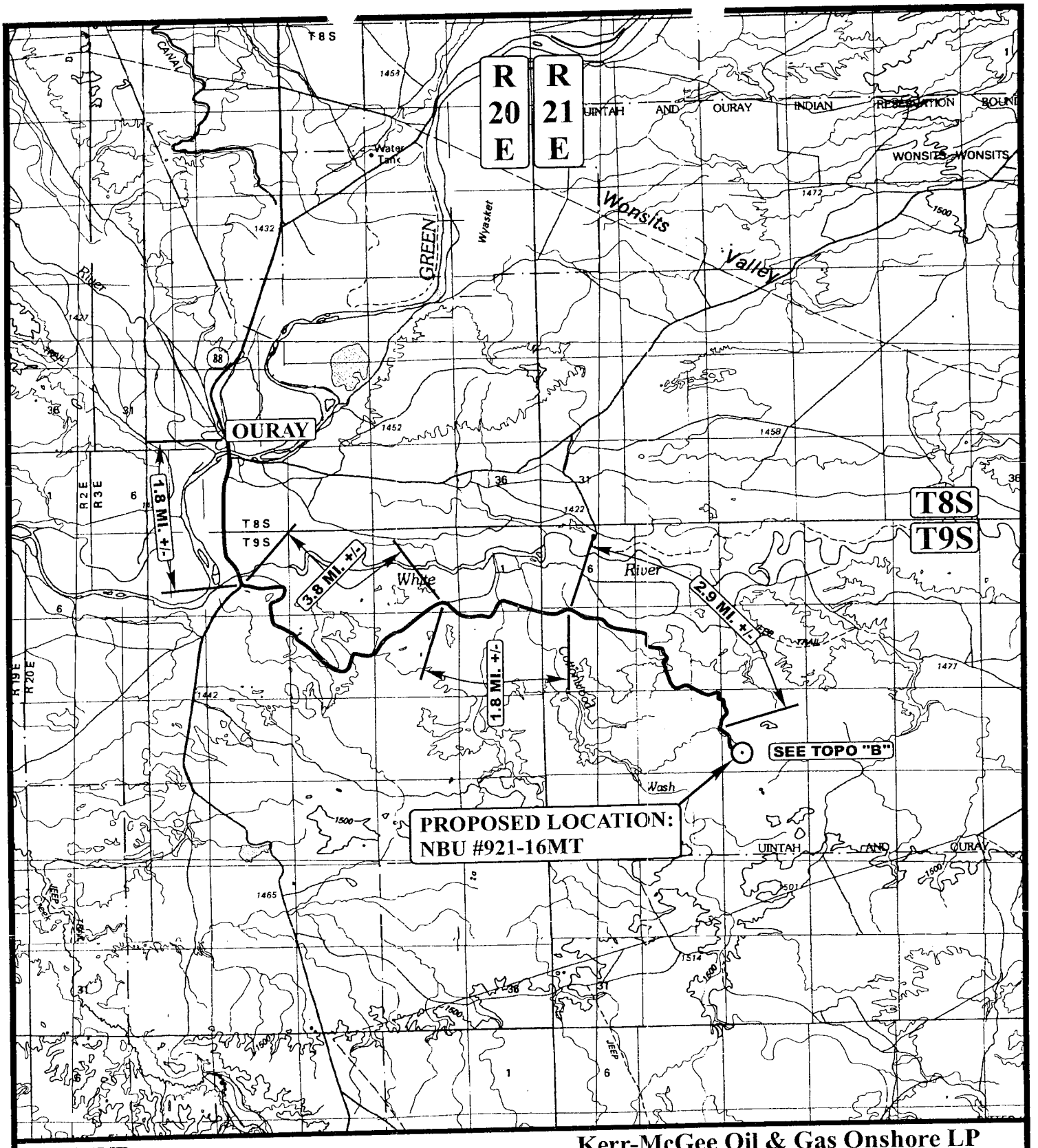


PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	04 MONTH	04 DAY	07 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

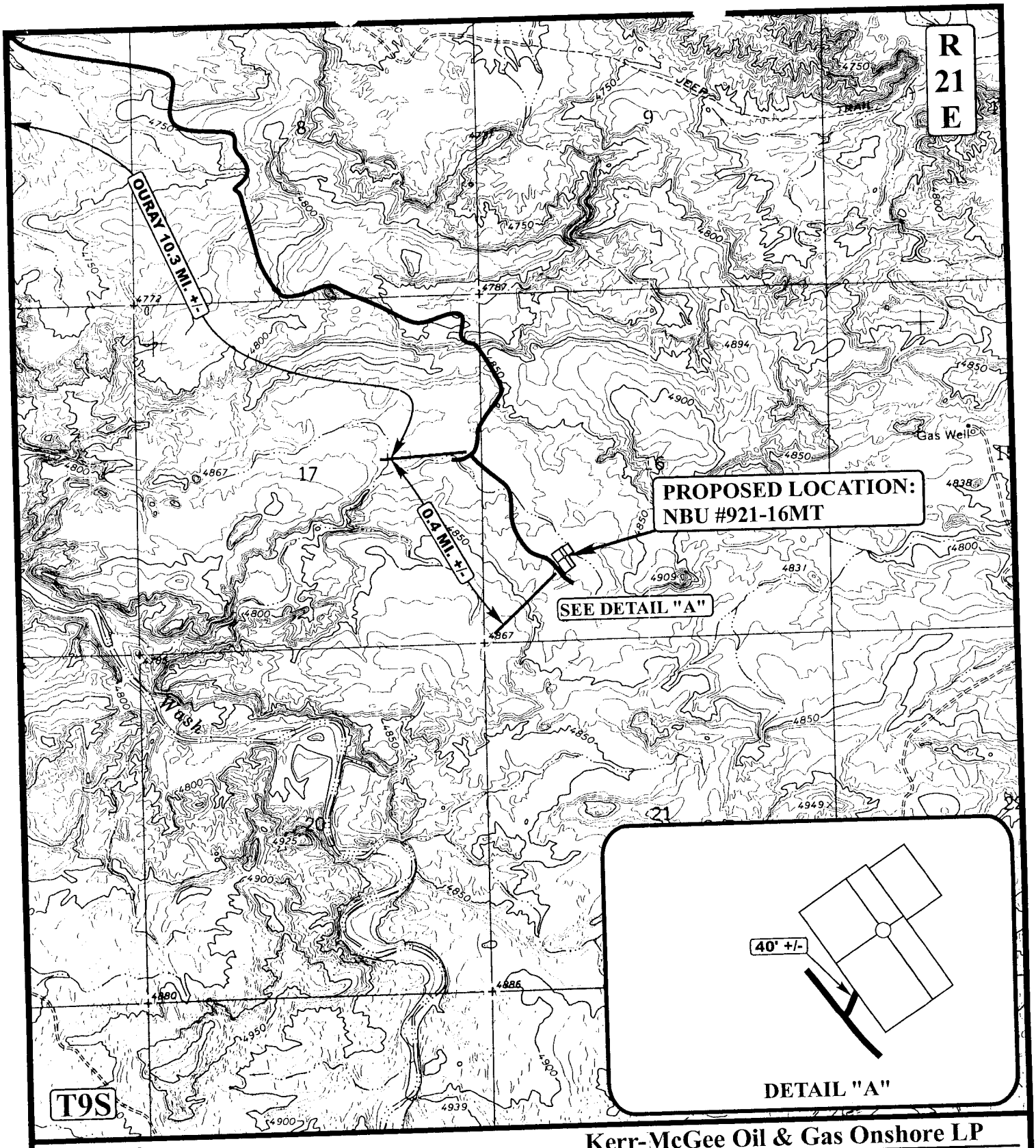
NBU #921-16MT

SECTION 16, T9S, R21E, S.L.B.&M.

1261' FSL 1248' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	04 MONTH	04 DAY	07 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

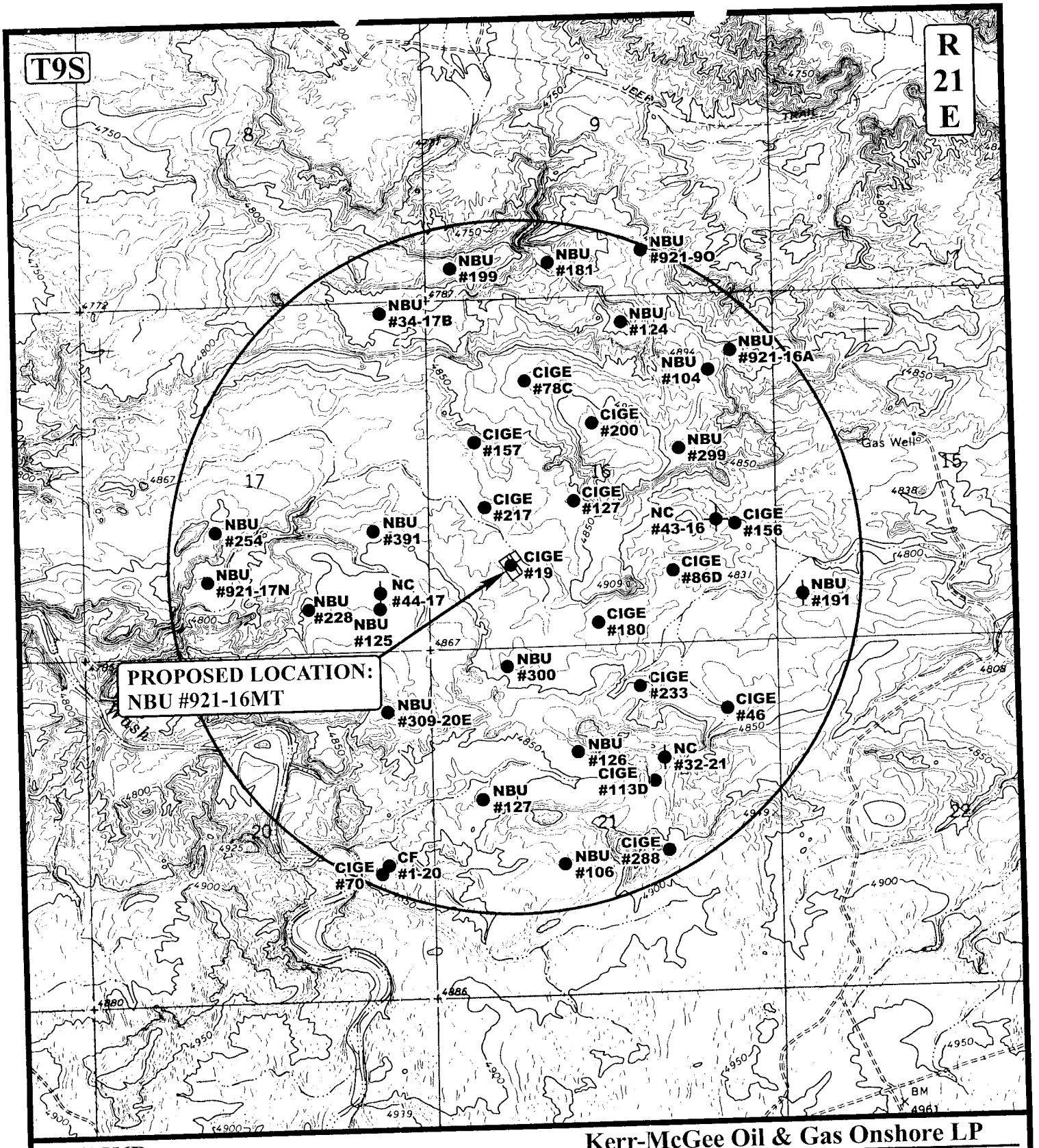
N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16MT
SECTION 16, T9S, R21E, S.L.B.&M.
1261' FSL 1248' FWL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	04 MONTH	04 DAY	07 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

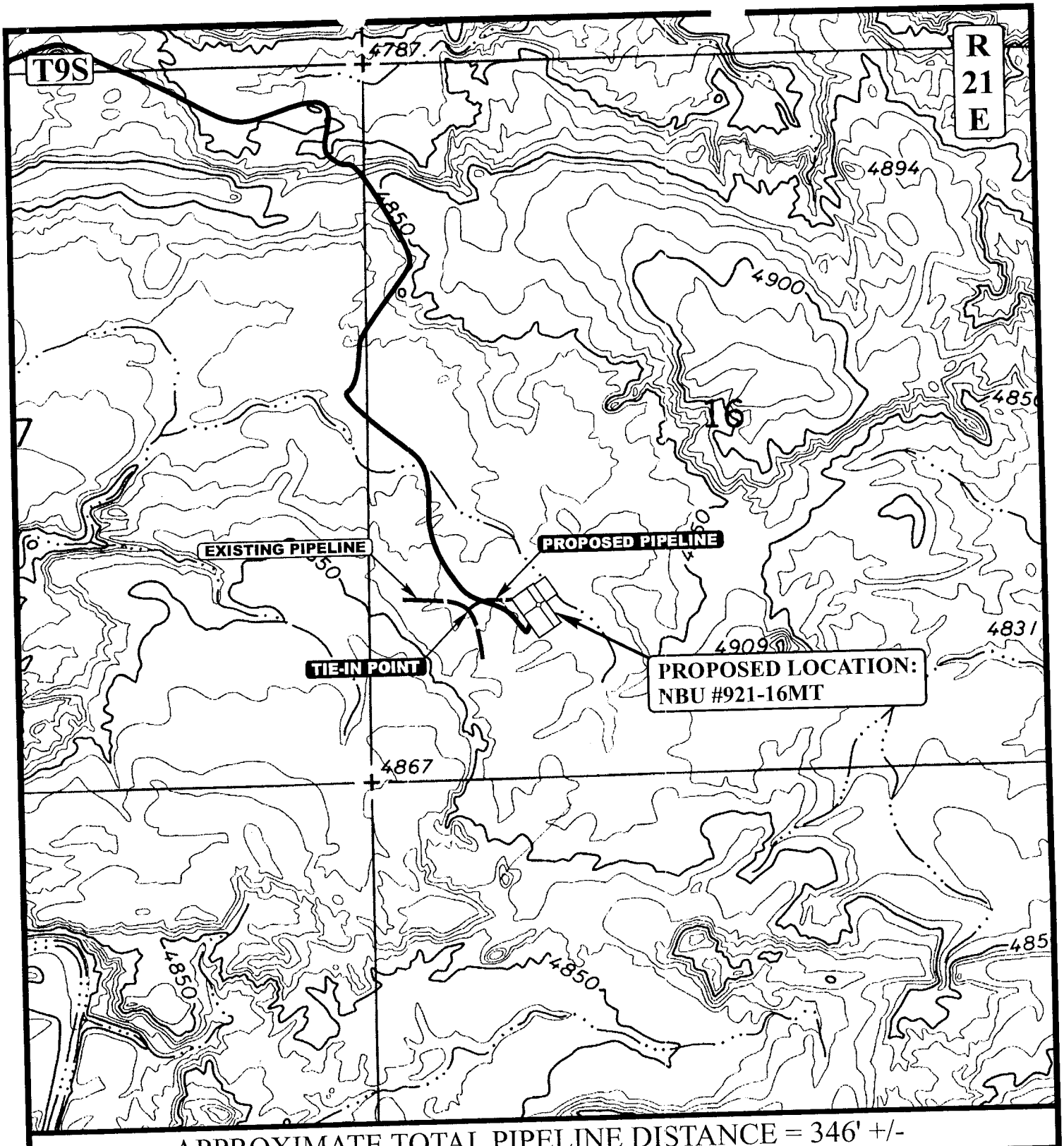
N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16MT
SECTION 16, T9S, R21E, S.L.B.&M.
1261' FSL 1248' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	04 MONTH	04 DAY	07 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 346' +/-

LEGEND:

EXISTING PIPELINE

PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16MT

SECTION 16, T9S, R21E, S.L.B.&M.

1261' FSL 1248' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	04 MONTH	04 DAY	07 YEAR
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00	

D TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16MT

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 16, T9S, R21E, S.L.B.&M.

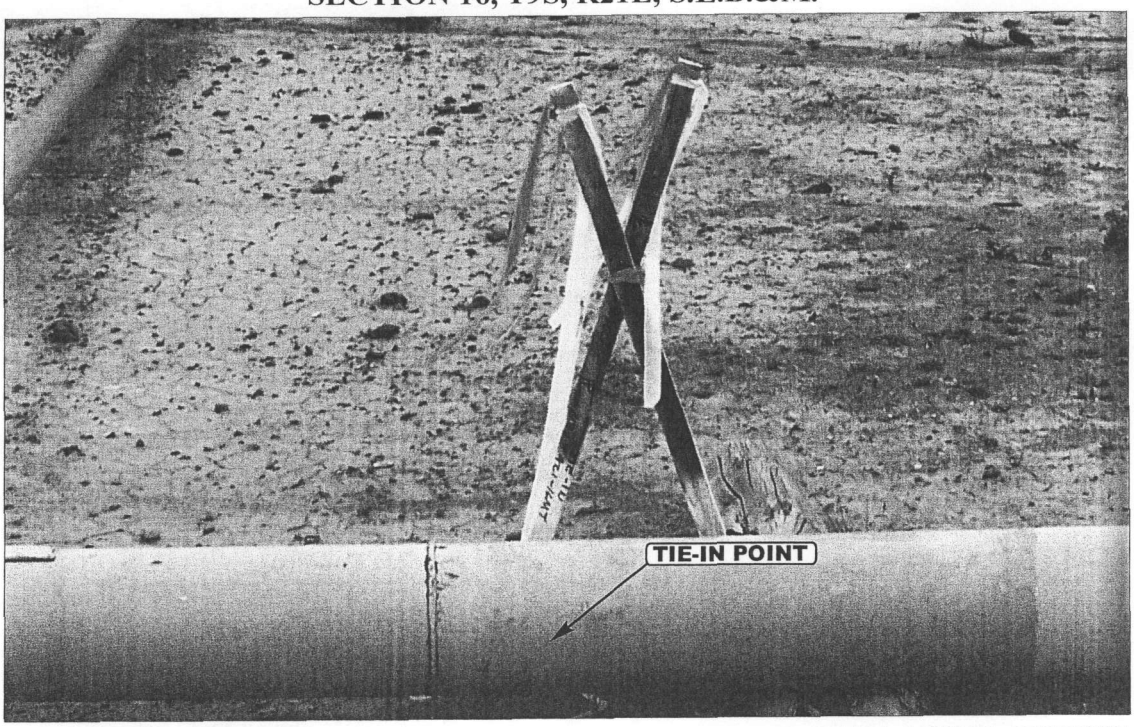


PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: NORTHEASTERLY**

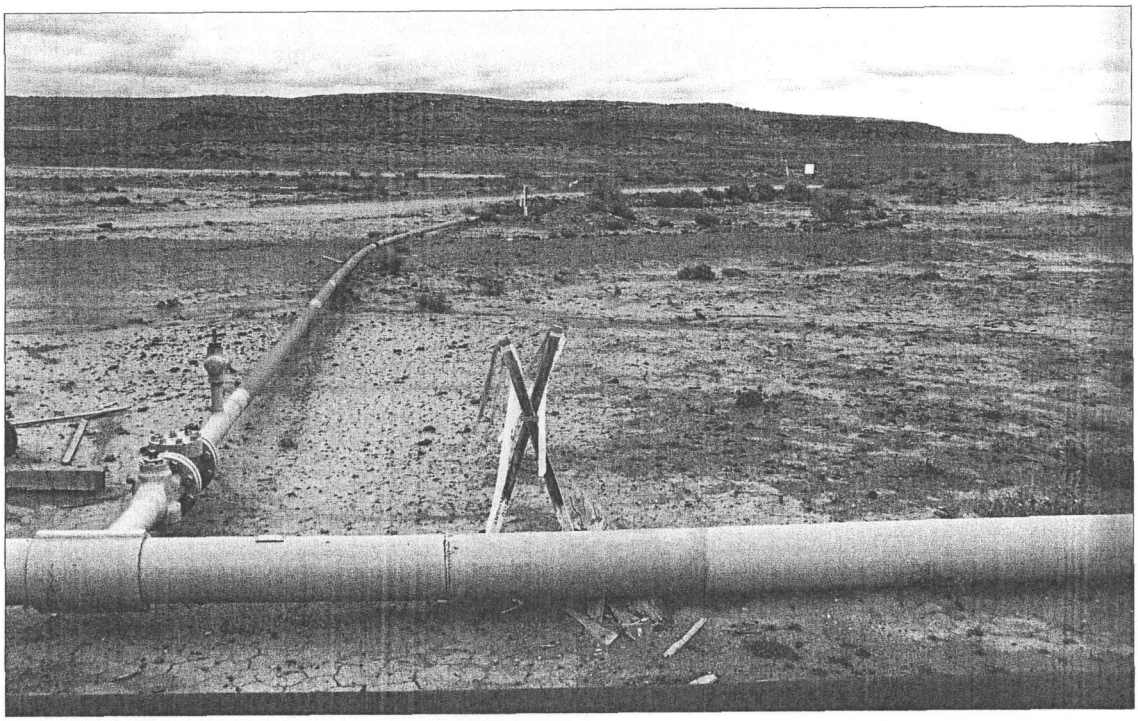


PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

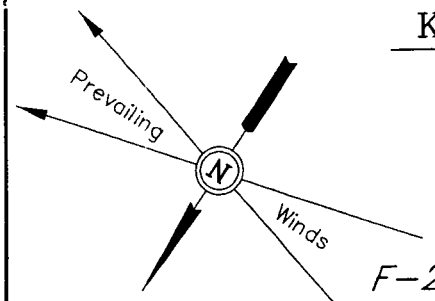
PIPELINE PHOTOS	04 MONTH	04 DAY	07 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #921-16MT
SECTION 16, T9S, R21E, S.L.B.&M.
1261' FSL 1248' FWL



SCALE: 1" = 50'
DATE: 04-06-07
Drawn By: P.M.

F-2.2'
El. 21.1'

CONSTRUCT DIVERSION DITCH

Approx. Top of Cut Slope

C-0.3'
El. 23.6'

Sta. 3+50

Topsoil Stockpile

F-0.6'
El. 22.7'

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

EXISTING CIGE #19

180'

Approx. Toe of Fill Slope

Anchor (Typ.)

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

PIPE TUBS

CATWALK

PIPE RACKS

Pit Topsoil

FLARE PIT

C-0.1'
El. 23.4'

C-0.2'
El. 23.5'

Blooie Line

El. 21.3'
C-8.0'
(btm. pit)

RIG

Existing Well Head CIGE #19

135'

Sta. 1+70

10'

58'

70'

MUD TANKS

DOG HOUSE

TOILET

F-0.6'
El. 22.7'

F-0.4'
El. 22.9'

LIGHT PLANT

TRAILER

BOILER

COMPRESSOR

WATER TANK

PUMP HOUSE

BOOSTER

Reserve Pit Backfill & Spoils Stockpile

15' WIDE DIKE

RESERVE PITS (10' Deep)

150'

SLOPE 1 1/2 : 1

Total Pit Capacity W/2' of Freeboard = 9,850 Bbls. ±
Total Pit Volume = 2,780 Cu. Yds.

Separator

Existing Pipeline

Existing Road

TRASH

Berm

Separator

F-2.3'
El. 21.0'

170'

Sta. 0+45

PROPANE STORAGE

Tank

Meter

Meth. Tank

Proposed Access Road

El. 19.8'
C-6.5'
(btm. pit)

15' WIDE DIKE

30'

F-2.6'
El. 20.7'

Sta. 0+00

Existing Pipeline

F-3.9'
El. 19.4'

F-2.6'
El. 20.7'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S28°28'19"W	26.92'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4823.5'

FINISHED GRADE ELEV. AT LOC. STAKE = 4823.3'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

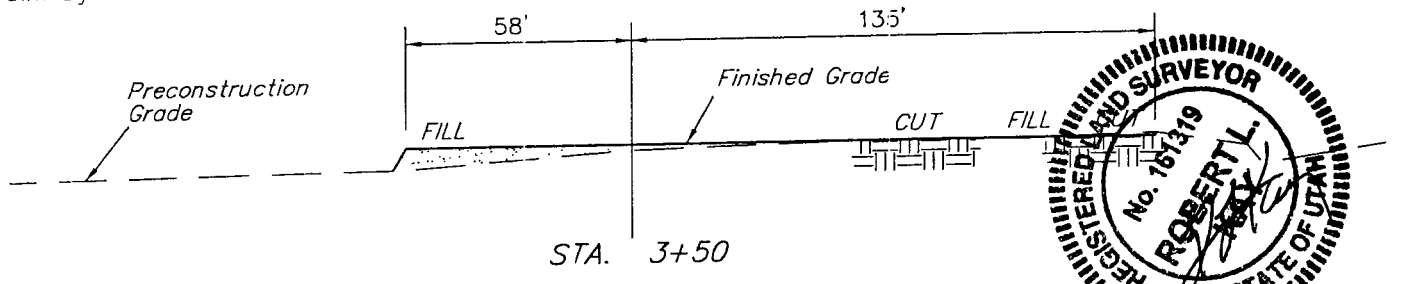
FIGURE #2

TYPICAL CROSS SECTIONS FOR

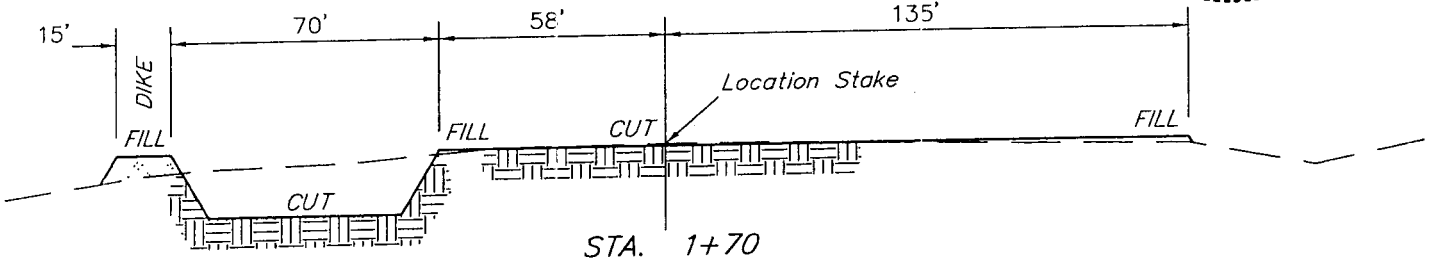
NBU #921-16MT
SECTION 16, T9S, R21E, S.L.B.&M.
1261' FSL 1248' FWL

1" = 20'
X-Section Scale
1" = 50'

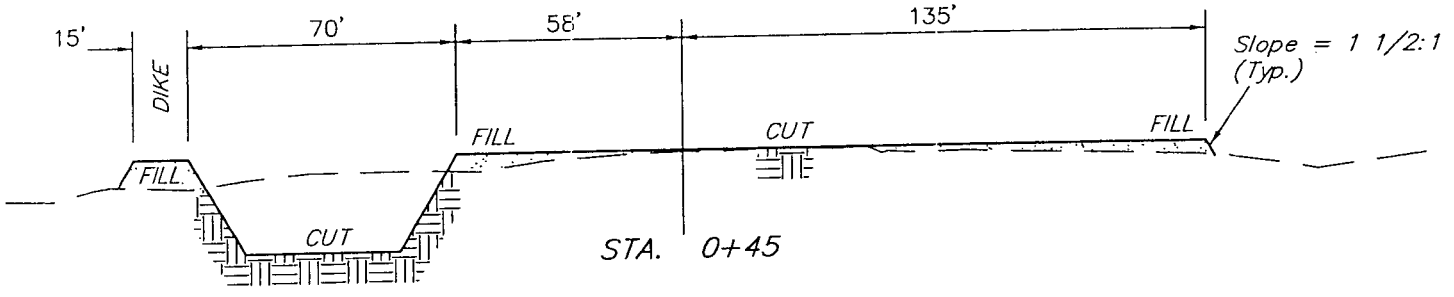
DATE: 04-06-07
Drawn By: P.M.



STA. 3+50



STA. 1+70



STA. 0+45

STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT		
(12") Topsoil Stripping (New Construction Only)	=	1,580 Cu. Yds.
Remaining Location	=	2,150 Cu. Yds.
TOTAL CUT	=	2,730 CU.YDS.
FILL	=	3,260 CU.YDS.

EXCESS MATERIAL	=	470 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,970 Cu. Yds.
EXCESS DEFICIT (After Interim Rehabilitation)	=	<2,500> Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/11/2007

API NO. ASSIGNED: 43-047-39362

WELL NAME: NBU 921-16MT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SWSW 16 090S 210E

SURFACE: 1261 FSL 1248 FWL

BOTTOM: 1261 FSL 1248 FWL

COUNTY: UINTAH

LATITUDE: 40.03225 LONGITUDE: -109.5610

UTM SURF EASTINGS: 622779 NORTHINGS: 4432118

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	11/8/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-3141-A

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

N Potash (Y/N)

✓ Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-99

Siting: 460' fr Unbdry & Uncomm Tracts

___ R649-3-11. Directional Drill

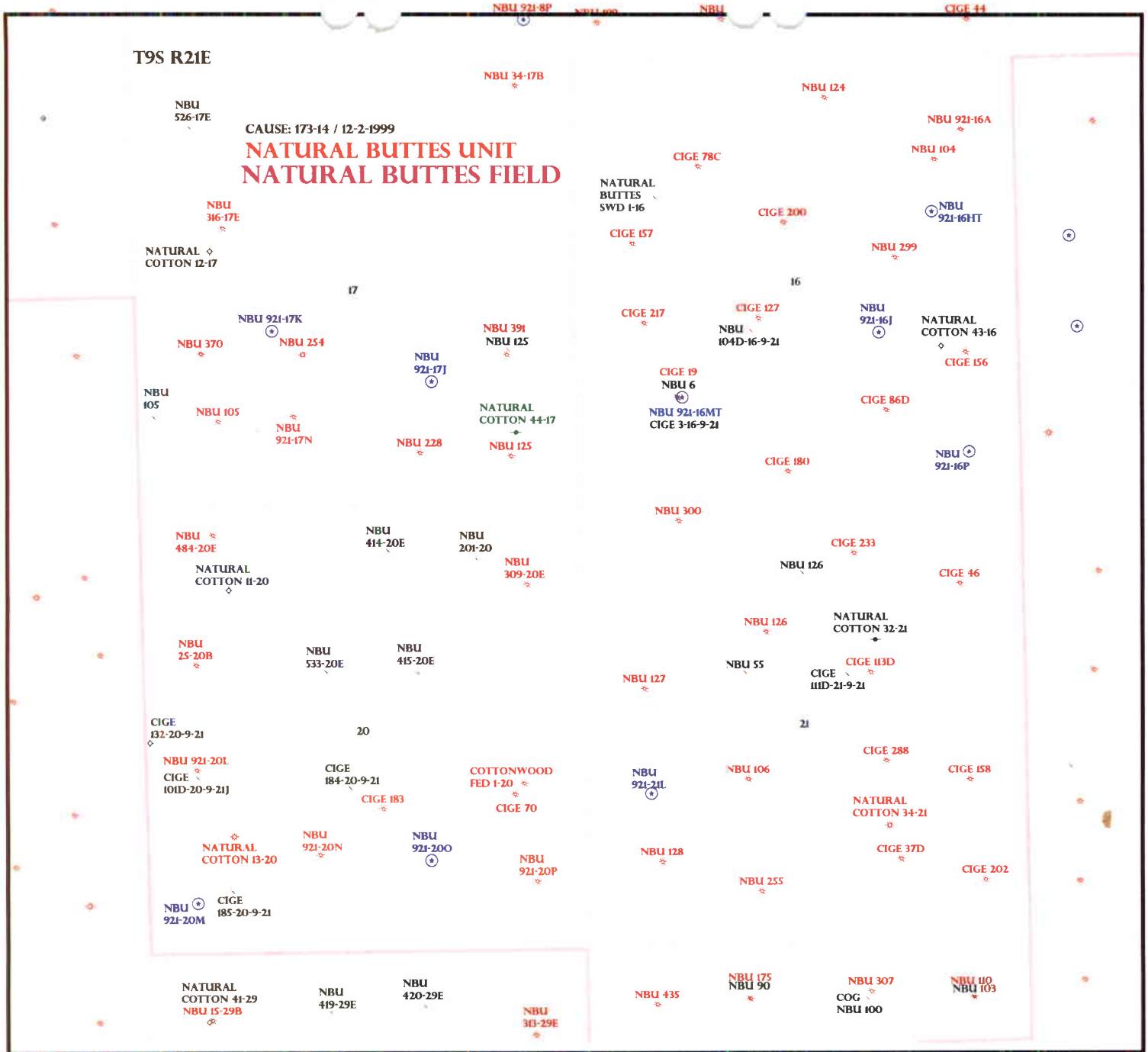
COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

2- Oil Shale

3- Statement of Basis

4- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N9550)

SEC: 16,17,20 T.9S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON

DATE: 14-JUNE-2007

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name NBU 921-16MT
API Number 43-047-39362-0 **APD No** 500 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 SWSW **Sec** 16 **Tw** 9S **Rng** 21E 1261 FSL 1248 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Regional/Local Setting & Topography

Surface Use Plan

Current Surface Use

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run? **Paleo Potental Observed?** **Cultural Survey Run?** **Cultural Resources?**

Reserve Pit

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
500	43-047-39362-00-00		GW	I	No

Operator KERR-MCGEE OIL & GAS ONSHORE, LP **Surface Owner-APD**
Well Name NBU 921-16MT **Unit** NATURAL BUTTES
Field NATURAL BUTTES **Type of Work**
Location SWSW 16 9S 21E S 1261 FSL 1248 FWL GPS Coord (UTM) 622779E 4432118N

Geologic Statement of Basis

Kerr McGee proposes to set 2,600' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed surface casing and cement should adequately protect ground water in this area.

Brad Hill — 8/9/2007
APD Evaluator — **Date / Time**

Surface Statement of Basis

The surface rights at the proposed location are owned by the Ute Indian Tribe. The operator is responsible for obtaining all required permits and rights-of-way prior to making any surface disturbance or drilling the well.

Brad Hill — 8/9/2007
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
	None.

Site-Specific Factors	Site Ranking
Distance to Groundwater (feet)	
Distance to Surface Water (feet)	
Dist. Nearest Municipal Well (ft)	
Distance to Other Wells (feet)	
Native Soil Type	
Fluid Type	
Drill Cuttings	
Annual Precipitation (inches)	
Affected Populations	
Presence Nearby Utility Conduits	
	Final Score / Sensitivity Level

Characteristics / Requirements

Closed Loop Mud Required?	Liner Required?	Liner Thickness	Pit Underlayment Required?

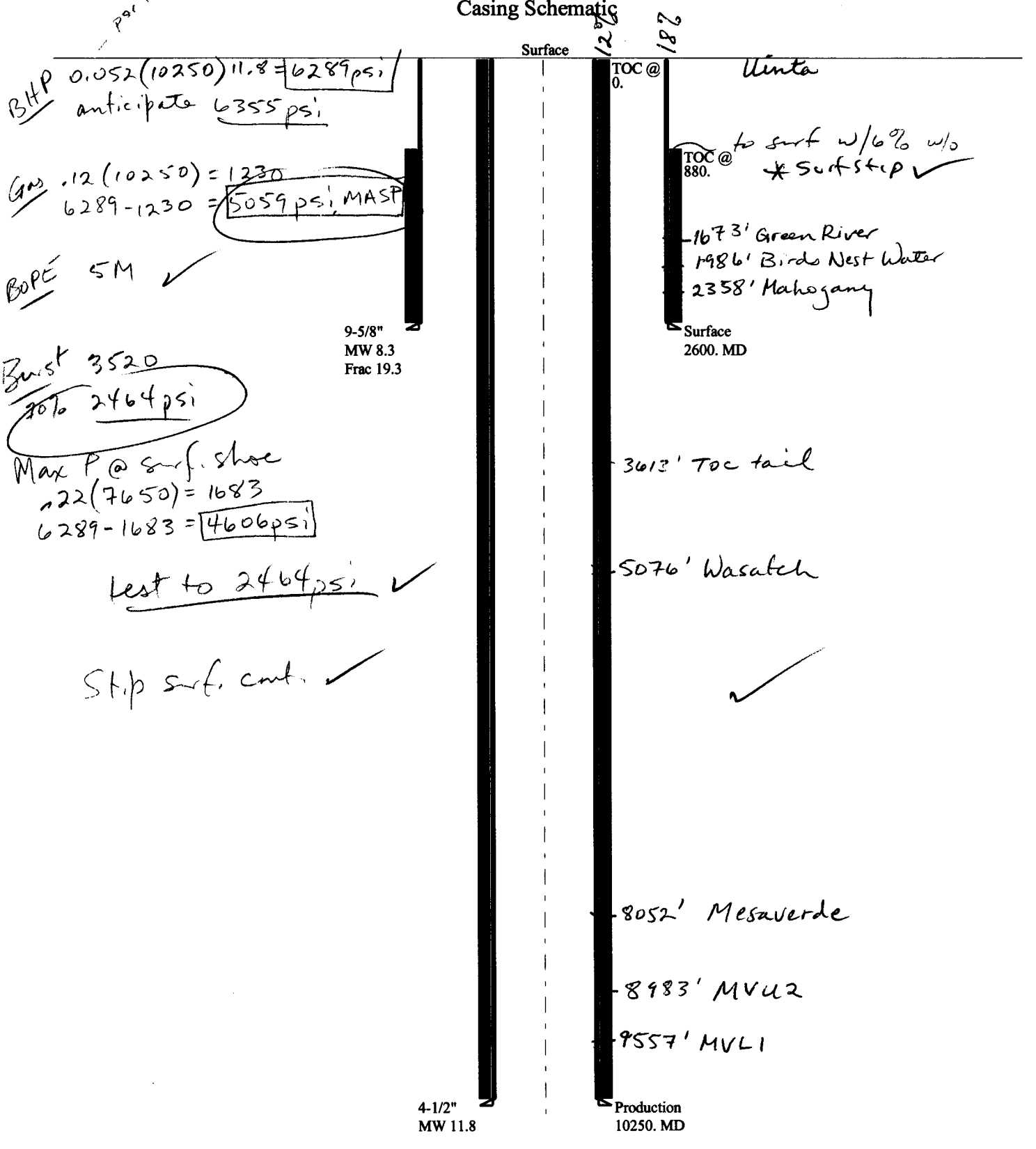
Other Observations / Comments

Brad Hill	8/9/2007
Evaluator	**Date / Time**

psi to ppg

2007-06 Kerr McGee NBU 921-16MT

Casing Schematic



Well name:	**2007-06 Kerr McGee NBU 921-16MT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-39362
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,288 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,600 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,281 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 111 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,400 ft

Cement top: 880 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 10,250 ft
Next mud weight: 11.800 ppg
Next setting BHP: 6,283 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,600 ft
Injection pressure: 2,600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2600	9.625	36.00	J-55	ST&C	2600	2600	8.796	1128.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1121	2020	1.802	2600	3520	1.35	82	394	4.80 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: June 29,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2600 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-06 Kerr McGee NBU 921-16MT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-39362
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: ~~11.800 ppg~~

Internal fluid density: 2.300 ppg

Burst

Max anticipated surface pressure: 4,028 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 6,283 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 8,442 ft

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 218 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	10250	4.5	11.60	I-80	LT&C	10250	10250	3.875	894.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5058	6360	1.257	6283	7780	1.24	98	212	2.16 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals

Phone: (801) 538-5357

FAX: (801) 359-3940

Date: August 29,2007

Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10250 ft, a mud weight of 11.8 ppg An internal gradient of .119 psi/ft was used for collapse from TD

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 18, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Wasatch/MesaVerde)

43-047-39375 NBU 1021-05MT Sec 05 T10S R21E 0745 FSL 0529 FWL
43-047-39376 NBU 1021-11I Sec 11 T10S R21E 2387 FSL 1247 FEL
43-047-39377 NBU 1021-11O Sec 11 T10S R21E 1192 FSL 2437 FEL
43-047-39378 NBU 1021-11N Sec 11 T10S R21E 1258 FSL 1861 FWL
43-047-39379 NBU 1021-11P Sec 11 T10S R21E 0232 FSL 1170 FEL
43-047-39380 NBU 1021-11M Sec 11 T10S R21E 0425 FSL 1318 FWL
43-047-39381 NBU 1021-11J Sec 11 T10S R21E 2252 FSL 2402 FEL
43-047-39383 NBU 1021-12A Sec 12 T10S R21E 0835 FNL 0781 FEL
43-047-39382 NBU 1021-12M Sec 12 T10S R21E 1022 FSL 0329 FWL
43-047-39384 NBU 1021-12N Sec 12 T10S R21E 0677 FSL 2302 FWL
43-047-39385 NBU 1021-12K Sec 12 T10S R21E 1532 FSL 1952 FWL
43-047-39386 NBU 1021-12L Sec 12 T10S R21E 1580 FSL 0196 FWL
43-047-39360 NBU 921-16J Sec 16 T09S R21E 1994 FSL 1660 FEL
43-047-39361 NBU 921-16HT Sec 16 T09S R21E 1858 FNL 1013 FEL
43-047-39362 NBU 921-16MT Sec 16 T09S R21E 1261 FSL 1248 FWL
43-047-39363 NBU 921-17K Sec 17 T09S R21E 2147 FSL 1635 FWL
43-047-39364 NBU 921-17J Sec 17 T09S R21E 1508 FSL 1748 FEL
43-047-39365 NBU 921-20M Sec 20 T09S R21E 0568 FSL 0586 FWL
43-047-39366 NBU 921-20O Sec 20 T09S R21E 1026 FSL 1859 FEL
43-047-39367 NBU 921-23C Sec 23 T09S R21E 0817 FNL 1945 FWL
43-047-39368 NBU 921-25NT Sec 25 T09S R21E 1150 FSL 2607 FWL
43-047-39369 NBU 922-18O Sec 18 T09S R22E 1255 FSL 2083 FEL

43-047-39370 NBU 922-18I Sec 18 T09S R22E 1600 FSL 0901 FEL
43-047-39371 NBU 922-18G Sec 18 T09S R22E 2009 FNL 1936 FEL
43-047-39372 NBU 922-20E Sec 20 T09S R22E 2182 FNL 0452 FWL
43-047-39387 NBU 1022-6B-2 Sec 06 T10S R22E 0160 FNL 2289 FEL
43-047-39389 NBU 1022-24B Sec 24 T10S R22E 1035 FNL 1619 FEL
43-047-39374 NBU 1020-24BT Sec 24 T10S R20E 0914 FNL 1966 FEL
43-047-39373 NBU 1020-01KT Sec 01 T10S R20E 1731 FSL 1834 FWL

Our records indicate the NBU 1022-24B is closer than 460 feet from the Natural Buttes Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-18-07

Helen Sadik-Macdonald - Surface Casing changes

From: "Laney, Brad"
To:
Date: 09/07/2007 3:26 PM
Subject: Surface Casing changes
CC: "Upchego, Sheila" , "Worthen, Rebecca"

Helen,

The following wells will have 36# casing run in them for the entire surface casing interval.

NBU 921-16P
NBU 921-16J
NBU 921-16HT
NBU 921-16MT
NBU 921-25NT
NBU 921-34MT

Anadarko is currently in the process of converting all future wells to a 36# surface casing string but we will continue to utilize our existing inventory of 32.3# until sometime in October. All future permits will reflect the changes to the surface casing. If you need any additional paperwork or have any questions, let me know.

Thanks again
Brad

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

November 8, 2007

Kerr McGee Oil and Gas Onshore LP
1368 S 1200 East
Vernal, UT 84078

Re: NBU 921-16MT Well, 1261' FSL, 1248' FWL, SW SW, Sec. 16, T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39362.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management Vernal Office
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

UTAH DNR OIL, GAS & MINING

Operator: Kerr McGee Oil and Gas Onshore LP

Well Name & Number NBU 921-16MT

API Number: 43-047-39362

Lease: ML-3141-A

Location: SW SW **Sec.** 16 **T.** 9 South **R.** 21 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

8. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L.P.**

Well Name: **NBU 921-16MT**

Api No: **43-047-39362** Lease Type: **STATE-INDIAN SURF**

Section **16** Township **09S** Range **21E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **RATHOLE**

SPUDDED:

Date **08/11/08**

Time **10:00 AM**

How **DRY**

Drilling will Commence:

Reported by **LEW WELDON**

Telephone # **(435) 828-7035**

Date **08/12/08** **Signed** **CHD**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739362	NBU 921-16MT		SWSW	16	9S,	21E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	8/11/2008			8/14/08	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 08/11/2008 AT 10:00 AM.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
8/11/2008
Date

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-3141-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-16MT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739362

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1261'FSL, 1248'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 08/11/2008 AT 10:00 AM.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 8/11/2008

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	UTSTML-3141-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	TRIBAL SURFACE
7. UNIT or CA AGREEMENT NAME:	UNIT #891008900A
1. TYPE OF WELL — OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: NBU 921-16MT
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304739362
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 — PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1261'FSL, 1248'FWL — COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S, 21E — STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 08/12/2008. DRILLED 12 1/4" SURFACE HOLE TO 2760'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD GOOD RETURNS THROUGH OUT JOB 17 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/85 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO — TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego — DATE 8/18/2008

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-3141-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-16MT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739362

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1261' FSL, 1248' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2760' TO 10310' ON 10/21/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/1370 SX PREM LITE II @11.5 PPG 2.82 YIELD. TAILED CMT W/309 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/150 BBLS CLAY TREAT NO RETURNS DURING JOB UNTIL START OF DISPLACEMENT 29 BBLS CMT BACK BUMP PLUG @3550 PSI HELD. NIPPLE DOWN SET SLIPS W/70K CUT OFF CSG. CLEAN PITS.

RELEASED PIONEER RIG 41 ON 10/21/2008 AT 0600 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego mc DATE 10/22/2008

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-3141-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE

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7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: NBU 921-16MT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739362

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1261' FSL, 1248' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 11/9/2008 AT 1030 HRS.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 11/10/2008

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Wins No.: 94956

NBU 921-16MT

Well Operations Summary Long

Operator	FIELD NAME	SPUD DATE	GL	KB	ROUTE
KERR MCGEE OIL & GAS ONSHORE LP	NATURAL BUTTES	08/12/2008	4,823	4823	V23

API	STATE	COUNTY	DIVISION
4304739362	UTAH	UINTAH	ROCKIES

Long/Lat.: 40.03229 / -109.56173 **Q-Q/Sect/Town/Range:** SWSW / 16 / 9S / 21E **Footages:** 1,261.00' FSL 1,248.00' FWL

Wellbore: NBU 921-16MT

MTD	TVD	PBMD	PBTVD
10,310	10,304	10,256	

EVENT INFORMATION:
EVENT ACTIVITY: DRILLING
OBJECTIVE: DEVELOPMENT
OBJECTIVE 2: VERTICAL WELL
REASON: DRILL PROD HOLE
START DATE: 8/11/2008
END DATE: 10/21/2008
DATE WELL STARTED PROD.: 8/12/2008
Event End Status: COMPLETE
AFE NO.: 2007722

RIG OPERATIONS:

	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	08/11/2008	08/11/2008	08/11/2008	08/11/2008	08/11/2008	08/11/2008	08/11/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
8/11/2008	SUPERVISOR: LEW WELDON						
	10:00 - 17:00	7.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1000 HR 8/11/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 41 BLM AND STATE NOTFIED OF SPUD
8/12/2008	SUPERVISOR: LEW WELDON						
	16:00 - 0:00	8.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1600 HR 8/12/08 DA AT REPORT TIME 720' DA
8/13/2008	SUPERVISOR: LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1150'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1500'
8/14/2008	SUPERVISOR: LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1770' RUN SURVEY .75 DEG.
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2070'
8/15/2008	SUPERVISOR: LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2450'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG T/D @ 2760' CONDITION HOLE 1 HR RUN SURVEY 3 DEG.
8/16/2008	SUPERVISOR: LEW WELDON						
	0:00 - 5:00	5.00	DRLSUR	05		P	TRIP DP OUT OF HOLE

	5:00 - 10:00	5.00	DRLSUR	11		P	RUN 2724' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	10:00 - 11:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 250 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 17 BBL LEAD CMT TO PIT
	11:00 - 11:30	0.50	DRLSUR	15		P	1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
	11:30 - 13:00	1.50	DRLSUR	15		P	2ND TOP JOB 85 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	13:00 - 13:00	0.00	DRLSUR				NO VISIBLE LEAKS PIT 1/4 FULL WORT
10/7/2008	SUPERVISOR: RON SJOSTROM						
	6:00 - 18:00	12.00	DRLPRO	01	E	P	RIGGING DOWN, LOWER DERRICK @ 15:30, MOVE OUT FRONT END EQUIPMENT, SET UP RIG CAMP ON NEW LOCATION, TRANSFER 800 BBL LIQUID MUD TO NEW LOCATION. 5% MOVED, 75% RIGGED DOWN, 60 MAN HOURS TODAY, 2 BED TRUCKS
	18:00 - 0:00	6.00	DRLPRO	12	D	P	RIG IDLE, SHUT DOWN FOR NIGHT
10/8/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 6:00	6.00	DRLPRO	12	D	P	WAIT ON DAYLIGHT FOR MOVE
	6:00 - 13:30	7.50	DRLPRO	01	E	P	CRANE ON LOCATION 0700 HRS, 3 HAUL TRUCKS, 5 BED TRUCKS, 1 FORKLIFT ARRIVED 0700 HRS,REMOVE DERRICK FROM FLOOR@1100 HRS, SET OFF DRAWWORKS, SPLIT SUB, MOVE OFF PUMPS, LIGHT PLANT, WATER TANK, FUEL TANK, LOCATION CLEARED 1330 HRS
	13:30 - 0:00	10.50	DRLPRO	01	B	P	SET MATS, STACK SUB, DERRICK ON FLOOR 1800 HRS, ON STAND 2000 HRS, SET IN RIG EQUIPMENT, RIG UP AIR-WATER-ELECTRIC LINES, BACK YARD EQUIPMENT. LAST TRUCKS LEFT 2030 HRS, CRANE LEFT 2030 HRS,==100% MOVED, 60% RIGGED UP
10/9/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 14:00	14.00	DRLPRO	01	B	P	RIG UP BACK YARD, RAISE DERRICK @ 0800, RIG UP FLOOR EQUIPMENT, RIG ACCEPTED ON DAYWORK 1400 HRS 10/9/08 MAN HOURS TODAY 70, 356.5 TOTAL FOR MOVE
	14:00 - 18:00	4.00	DRLPRO	13	A	P	NIPPLE UP BOP EQUIPMENT
	18:00 - 22:00	4.00	DRLPRO	13	C	P	TEST BOP EQUIPMENT & CASING
	22:00 - 0:00	2.00	DRLPRO	05	A	P	INSTALL WEAR BUSHING, R/U PICKUP MACHINE, M/U BIT #1, P/U DRILLSTRING & RIH

	22:00 - 0:00	2.00	DRLPRO	05	A	P	INSTALL WEAR BUSHING, R/U PICKUP MACHINE, M/U BIT #1, P/U DRILLSTRING & RIH
10/10/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 6:00	6.00	DRLPRO	05	A	P	P/U DRILLSTRING & RIH, TAG CEMENT @ 2627, R/D TESCO PICKUP MACHINE
	6:00 - 10:00	4.00	DRLPRO	02	F	P	DRILL CEMENT, FE & SHOE TO 12-1/4 HOLE@2778
	10:00 - 14:30	4.50	DRLPRO	02	B	P	SPUD IN AND DRILL 2778-3037, 259' = 57.5 FPH, MW 9.0#
	14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	15:00 - 15:30	0.50	DRLPRO	09	B	P	WIRELINE SURVEY @ 2957 = 2.0 DEG 149.2 AZ
	15:30 - 0:00	8.50	DRLPRO	02	B	P	DRILL 3037-3512 = 56.5 FPH, MW 9.4#
10/11/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 9:00	9.00	DRLPRO	02	B	P	DRILLING 3512-4017 = 505' = 56.1 FPH, MW 9.4
	9:00 - 9:30	0.50	DRLPRO	09	B	P	WIRELINE SURVEY @ 3938 = 2.0 DEG, 171.4 AZ
	9:30 - 16:00	6.50	DRLPRO	02	B	P	DRILLING 4017-4480 = 463' = 71.2 FPH, MW 9.8##
	16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P	DRILLING 4480-4961 = 481' = 64.1 FPH, MW 10.0#, INC MW DUE TO POPPING SHALES
10/12/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL 4961-5021 = 60', MW 10.0#
	1:00 - 1:30	0.50	DRLPRO	04	G	P	CIRC PRIOR TO SURVEY
	1:30 - 2:00	0.50	DRLPRO	09	B	P	WIRELINE SURVEY @ 4961 = 2.0 DEG / 184.9 AZ
	2:00 - 16:30	14.50	DRLPRO	02	B	P	DRILLING 5021-5821 = 800' = 55.2 FPH, MW 10.0#
	16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	17:00 - 20:30	3.50	DRLPRO	02	B	P	DRILL 5821-6011 = 190' = 54.3 FPH, MW 10.2#
	20:30 - 21:00	0.50	DRLPRO	04	G	P	CIRCULATE PRIOR TO SURVEY

	20:30 - 21:00	0.50	DRLPRO	04	G	P	CIRCULATE PRIOR TO SURVEY
	21:00 - 21:30	0.50	DRLPRO	09	B	P	WIRELINE SURVEY @ 5931 = 2.4 DEG, 164.1 AZ
	21:30 - 0:00	2.50	DRLPRO	02	B	P	DRILL 6011-6137 = 126' = 50.4 FPH, MW 10.2#
10/13/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 15:00	15.00	DRLPRO	02	B	P	DRILLING 6137-6801 = 664 = 44.3 FPH, MW 10.4#
	15:00 - 15:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	15:30 - 21:00	5.50	DRLPRO	02	B	P	DRILLING 6801-7023 = 222' = 40.36 FPH, MW 10.5#
	21:00 - 21:30	0.50	DRLPRO	04	G	P	CCH PRIOR TO SURVEY
	21:30 - 22:00	0.50	DRLPRO	09	B	P	WIRELINE SURVEY @ 6943 = 1.8 DEG, 148.0 AZ
	22:00 - 0:00	2.00	DRLPRO	02	B	P	DRILLING 7023-7100 = 77' = 38.5 FPH, MW 10.7#
10/14/2008	SUPERVISOR: RON SJOSTROM						
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILLING 7100-7466 = 366 = 25.2 FPH, MW 10.7#
	14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	15:00 - 15:30	0.50	DRLPRO	04	C	P	CIRCULATE PRIOR TO TRIP OUT
	15:30 - 19:00	3.50	DRLPRO	05	A	P	POOH BIT #1, L/D MONEL, IBS'S, JARS, CHANGE MUD MOTORS, WORK THROUGH TIGHT SPOT 5730
	19:00 - 22:30	3.50	DRLPRO	05	A	P	M/U BIT #2, P/U MUD MOTOR, TRIP IN HOLE GOOD
	22:30 - 23:30	1.00	DRLPRO	03	E	P	WASH & REAM 110' TO TD 7466
	23:30 - 0:00	0.50	DRLPRO	02	B	P	DRILLING 7466-7489 = 23' = 46 FPH, MW 10.8#
10/15/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 7:00	7.00	DRLPRO	02	B	P	DRILLING 7489-7806=317=45.2 MW 11.0
	7:00 - 7:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	7:30 - 0:00	16.50	DRLPRO	02	B	P	DRILLING 7806-8500=694=42.0 MW 11.3

	7:30 - 0:00	16.50	DRLPRO	02	B	P	DRILLING 7806-8500=694=42.0 MW 11.3
10/16/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILLING 8500-9071=571=39.3 11.6
	14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILLING 9071-9325=254=28.2 11.8
10/17/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 3:00	3.00	DRLPRO	04	B	P	CCH,RAISE MUD WT 11.8 - 12.0 # TO CONTROL GAS FOR BIT TRIP
	3:00 - 7:30	4.50	DRLPRO	05	A	P	PUMP SLUG DROP SURVEY,TOH TIGHT @ 5030' BREAK BIT LD M MTR
	7:30 - 9:30	2.00	DRLPRO	05	A	P	PU M MTR MAKE UP BIT TIH TO SCG SHOE BREAK CIRC
	9:30 - 11:30	2.00	DRLPRO	06	D	P	CUT DRILL LINE
	11:30 - 14:00	2.50	DRLPRO	05	A	P	TIH, BREAK CIRC @ 6500',CIH WASH TO BTM
	14:00 - 16:00	2.00	DRLPRO	02	B	P	DRILLING 9325-9389=64=32 M W 12.1
	16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	A	P	DRILLING 9389-9665=340=35.8 12.2
10/18/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 10:30	10.50	DRLPRO	02	B	P	DRILLING9665-9887=222=21.1 12.2
	10:30 - 11:30	1.00	DRLPRO	04	C	P	CBU,MIX & PUMP SLUG,DROP SURVEY
	11:30 - 15:30	4.00	DRLPRO	05	A	P	TOH,CHANGE OUT M MTRS & BIT
	15:30 - 16:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	16:00 - 19:30	3.50	DRLPRO	05	A	P	TIH ,BREAK CIRC @ 2800' CIH, BREAK CIRC @ 6500', CIH
	19:30 - 20:00	0.50	DRLPRO	03	E	P	W & R 45' TO BTM

	20:00 - 0:00	4.00	DRLPRO	02	B	P	DRILLING 9887-9975=88=22 MW 12.2
10/19/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 11:00	11.00	DRLPRO	02	B	P	DRILLING 9975-10250=275=25 MW 12.3
	11:00 - 11:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	11:30 - 13:00	1.50	DRLPRO	02	B	P	DRILLING 10250-10310=60=40 MW 12.4 TD @ 1300 HRS 10/19/2008
	13:00 - 14:00	1.00	DRLPRO	04	C	P	CCH,F/ WIPER TRIP
	14:00 - 15:00	1.00	DRLPRO	05	E	P	10 STD WIPER TRIP TO 9350,HOLE GOOD
	15:00 - 17:30	2.50	DRLPRO	04	C	P	CCH, SM RU CASERS TO LDDS
	17:30 - 0:00	6.50	DRLPRO	05	B	P	LDDS
10/20/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 1:30	1.50	DRLPRO	08	D	P	LD BHA,PULL WEAR BUSHING
	1:30 - 15:00	13.50	DRLPRO	08	F	P	SM RU HALLIBURTON,HAVING TROUBLE W/ NEUTRON TOOL, HAVING TO MAKE 2 RUNS,1ST RUN TRIPLE COMBO W/O NEUTRON SOURCE,2ND RUN NEUTRON DENSITY,NGRT, LOGGERS TD 10322',RD SAME
	15:00 - 22:00	7.00	DRLPRO	08	B	P	SM RU TESCO RUN 244 JTS OF 41/2 P110 11.6# CSG SHOE @10,305
	22:00 - 23:00	1.00	DRLPRO	04	E	P	CIRC CSG RU HALCO
	23:00 - 0:00	1.00	DRLPRO	08	B	P	SM TEST LINES TO 5000,PUMP 10 BBLS WATER,20 BBLS MUD FLUSH,10 BBLS WATER,30 BBLS SCAVENGER CMT @ 9,5#,390 SKS 154 BBLS LEAD @ 12.2#
10/21/2008	SUPERVISOR: JIM MURRAY						
	0:00 - 1:30	1.50	DRLPRO	15	A	P	PUMP 1370 SKS 309 BBLS TAIL @ 14.3#,DISPLACE W/ 159.9 BBLS FW, BUMP PLUG W/ 3550 PSI 500 OVER FLOATS OK,GOOD CIRC DURING JOB,NO CMT TO SURFACE
	1:30 - 2:00	0.50	DRLPRO	11	B	P	LAND CSG W/ 75,000 TEST SEALS TO 5000# LD SETTING TOOL
	2:00 - 6:00	4.00	DRLPRO	13	A	P	NDBOP,CLEAN PITS,RELEASE RIG TO NBU 921-18D @ 0600 HRS 10/21/2008

Wins No.: 94956	NBU 921-16MT	API No.: 4304739362

EVENT INFORMATION:			
EVENT ACTIVITY: COMPLETION	START DATE: 10/30/2008	AFE NO.:	2007722
OBJECTIVE: DEVELOPMENT	END DATE: 11/5/2008		
OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.: 8/12/2008		
REASON: MV	Event End Status: COMPLETE		

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
KEY 243 / 243		10/30/2008					11/05/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
10/30/2008	SUPERVISOR: KEN WARREN						
	7:00 - 7:15	0.25	COMP	48		P	HSM, R/D, R/U
	7:15 - 7:15	0.00	COMP	47	B	P	MIRU SPOT EQUIP, N/D WELL HEAD, N/U BOPS, P/U 3-7/8 MILL W/ X-OVER, TALLEY & P/U 297 JNTS 2-3/8 L-80 TBG, EOT @ 9430', POOH W/ TBG & MILL, MIRU B&C QUICK TEST, PRESSURE TEST CSG & FRAC VALVES TO 7500# [GOOD TEST] SWI. 17:00
10/31/2008	SUPERVISOR: KEN WARREN						
	7:00 - 15:00	8.00	COMP	30	C	P	STND BY
11/3/2008	SUPERVISOR: KEN WARREN						
	7:00 - 7:15	0.25	COMP	48		P	HSM, SPOTTING EQUIP ON LOC
	7:15 - 10:00	2.75	COMP	46	E	Z	WAITING TO SPOT WEATHERFORD EQUIP.
	10:00 - 17:00	7.00	COMP	36	E	P	MIRU CUTTERS WIRELINE, STG #1] P/U RIH W/ 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, 10160'-10166' 24 HOLES, 10122'-10126' 167 HOLES, [40 HOLES] WHP=0#, BRK DN PERFS @ 4078#, INJT PSI=4700#, INJT RT=51, ISIP=3256#, FG=.76, PUMP'D 4606 BBLS SLK WTR W/ 160734# 30/50 MESH, W/ 5000# RESIN COAT IN TAIL, ISIP=3224#, FG=.76, AR=53.8, AP=4952, MR=56.3, MP=6114, NPI=-32#, 40/40 CALC PERFS OPEN 100%. SWIFN.
11/4/2008	SUPERVISOR: KEN WARREN						
	7:00 - 7:15	0.25	COMP	48		P	HSM, WORKING W/ WIRE LINE
	7:15 - 17:00	9.75	COMP	36	E	P	OPEN WELL 1800# SICP, STG #2] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 9978', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH. 9942'-9948' 24 HOLES. [TOP 2' GUN SHOT OUT OF ZONE PUTTING 8 HOLES 9938'-9940' WAIT ON NEW GUNS TO BE REBUILT & BROUGHT OUT. FINISH SHOOTING STG #2, 9904'-9906' 8 HOLES, 9854'-9856' 8 HOLES, [48 HOLES TOTAL] WHP=0#, BRK DN PERFS @ 4264#, INJT PSI=4900#, INJT RT=52.9, ISIP=3130#, FG=.76, PUMP'D 2684.1 BBLS SLK WTR W/ 97706# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3247#, FG=.77, AR=52.8, AP=4968#, MR=53.1, MP=6606, NPI=117#, 48/48 CALC PERFS OPEN. STG #3] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 9716', PER MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH, [40 HOLES] 9682'-9686' 16 HOLES, 9562'-9566' 16 HOLES, 9504'-9506' 8 HOLES. WHP=0#, BRK DN PERFS @ 3873#, INJT PSI=5100#, INJT RT=50, ISIP=2521#, FG=.70, PUMP'D 2685.2 BBLS SLK WTR W/ 97691# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2966#, FG=.75, AR=48.7, AP=4508#, MR=50.4, MP=6108#, NPI=445#, 27/40 67% CALC PERFS OPEN. STG #4] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 9466', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90* PH [40 HOLES] 9432'-9436' 16 HOLES, 9400'-9404' 16 HOLES, 9342'-9344' 8 HOLES. WHP=2300#, BRK DN PERFS @ 7562#, INJT PSI=5050#, INJT RT=50.3, ISIP=2958#, FG=.76, PUMP'D 43338.7 BBLS SLK WTR W/ 5000# RESIN COAT IN TAIL, ISIP=3003#, FG=.76, AR=49.8, AP=4744#, MR=50.6, MP=7562#, NPI=45#, 34/40 CALC PERFS OPEN 83% P/U RIH W/ BKR 8K CBP & SET @ 9292', R/D CUTTERS WIRE LINE & WEATHERFORD FRAC CREW, SWIFN.

11/5/2008	SUPERVISOR: KEN WARREN						
	7:00 - 7:15	0.25	COMP	48		P	HSM, MAKING CONNECTIONS
	7:15 - 17:00	9.75	COMP	44	C	P	OPEN WEL 0# CSG, N/D FRAC VALVES, N/U BOPS, R/U TBG EQUIP, P/U 3-7/8 BIT W/ POBS PKG, RIH W/ 2-3/8 TBG TAG KILL PLUG @ 9298' P/U PWR SWVL. PLUG #1] EST CIRC W/ RIG PUMP, DRL THROUGH BKR 8K CBP @ 9298' IN 10 MIN. 1200# INCREASE. PLUG #2] CONTINUE TO RIH TAG SAND @ 9436' C/O & DRL THROUGH BKR 8K CBP @ 9466' IN 10 MIN. 0# INCREASE. PLUG #3] CONTINUE TO RIH TAG SAND @ 9686' C/O & DRL THROUGH BKR 8K CBP @ 9716' IN 10 MIN. 1600# INCREASE. PLUG #4] CONTINUE TO RIH TAG SAND @ 9948' C/O & DRL THROUGH BKR 8K CBP @ 9978' IN 10 MIN. 1600# INCREASE. CONTINUE TO RIH C/O TO PBTD @ 10,256' CIRC HOLE, R/D PWR SWVL, L/D 13 JNTS TBG, P/U HANGER LAND W/ 309 JNTS 2-3/8 L-80 TBG EOT @ 9822.41' DROP BALL, R/D TBG EQUIP, N/D BOPS, N/U WELL HEAD, PUMP OFF BIT W/ 1/2 BBL, @ 3200#, TURN WELL OVER TO FLOW BACK CREW. TBG DETAIL KB 17.00 HANGER .83 309 JNTS 2-3/8 L-80 9801.38 X-NIPPLE [1.875] 3.20
11/6/2008	SUPERVISOR: RYAN THOMAS						
	7:00 -			33	A		7 AM FLBK REPORT: CP 2300#, TP 2000#, 16/64" CK, 65 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3570 BBLS LEFT TO RECOVER: 10744
11/7/2008	SUPERVISOR: DOYLE HOLMES						
	7:00 -			33	A		7 AM FLBK REPORT: CP 1900#, TP 2000#, 16/64" CK, 60 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5010 BBLS LEFT TO RECOVER: 9304
11/8/2008	SUPERVISOR: DOYLE HOLMES						
	7:00 -			33	A		7 AM FLBK REPORT: CP 2200#, TP 2100#, 16/64" CK, 45 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6240 BBLS LEFT TO RECOVER: 8074
11/9/2008	SUPERVISOR: DOYLE HOLMES						
	7:00 -			33	A		7 AM FLBK REPORT: CP 3200#, TP 2300#, 18/64" CK, 38 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 7355 BBLS LEFT TO RECOVER: 6959
	10:30 -		PROD				WELL TURNED TO SALES @ 1030 HR ON 11/09/2008 - FTP 2100#, CP 2300#, CK 16/64", 700 MCFD, 1080 BWPD
11/10/2008	SUPERVISOR: DOYLE HOLMES						
	7:00 -			33	A		7 AM FLBK REPORT: CP 3500#, TP 2300#, 18/64" CK, 29 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 8192 BBLS LEFT TO RECOVER: 6122

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. LEASE DESIGNATION AND SERIAL NUMBER: UT ST ML-3141-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: NBU 921-16MT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739362

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1261'FSL, 1248'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S, 21E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED: 8/11/2008

15. DATE T.D. REACHED: 10/19/2008

16. DATE COMPLETED: 11/19/2008 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 4823'GL

18. TOTAL DEPTH: MD 10,310 TVD

19. PLUG BACK T.D.: MD 10,256 TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR, SD, DSN, ACTR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,760		660			
7 7/8"	4 1/2 I-80	11.6#		10,310		1760			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	9,822							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	9,342	10,166		
(B) WSMVD				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
9,342 10,166	0.36	149	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9342'-10,166'	PMP 14,314 BBLS SLICK H2O & 522,770# 30/50 OTTOWA SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000) (CONTINUED ON BACK)

RECEIVED
DEC 18 2008
DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION — **INTERVAL A (As shown in Item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
11/19/2008	11/13/2008	12		0	1,930	300	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
18/64	719	2,843					0	1,930	300	PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,674				
MAHOGANY	2,496				
WASATCH	5,100	8,048			
MESAVERDE	8,064	10,309			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE  DATE 12/12/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-3141-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-16MT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739362

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1261'FSL, 1248'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

RECEIVED
FEB 23 2009
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 3·4·2009
Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 2/20/2009

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 2/26/09
BY: [signature]
(See Instructions on Reverse Side)
+ Cause 173-14

(5/2000)

Name: NBU 921-16MT
Location: SWSW Sec. 16 T9S R21E
Uintah County, UT
Date: 2/13/09

ELEVATIONS: 4840 GL 4823 KB

TOTAL DEPTH: 10310 **PBTD:** 10256
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2745'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 10306'
Marker Joint **5063' - 5084'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1674' Green River
1986' Birds Nest
2496' Mahogany
5100' Wasatch
8064' Mesaverde

CBL indicates good cement below 1500'

GENERAL:

- A minimum of **20** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 10/20/2008
- **6** fracturing stages required for coverage.
- Procedure calls for 7 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9823
- Originally completed on 11/3/08

Existing Perforations:

PERFORATIONS

Formation (Bench)	Top	Btm	spf	Shots	Date
MESA VERDE	9342	9344	4	8	11/03/2008
MESA VERDE	9400	9404	4	16	11/03/2008
MESA VERDE	9432	9436	4	16	11/03/2008
MESA VERDE	9504	9506	4	8	11/03/2008
MESA VERDE	9562	9566	4	16	11/03/2008
MESA VERDE	9682	9686	4	16	11/03/2008
MESA VERDE	9854	9856	4	8	11/03/2008
MESA VERDE	9904	9906	4	8	11/03/2008
MESA VERDE	9938	9940	4	8	11/03/2008
MESA VERDE	9942	9948	4	24	11/03/2008
MESA VERDE	10122	10126	4	16	11/03/2008
MESA VERDE	10160	10166	4	24	11/03/2008

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9823'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 9330 (50' below proposed CBP). Otherwise P/U a mill and C/O to 9330 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 9280'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	9067	9072	3	15
MESAVERDE	9120	9122	3	6
MESAVERDE	9186	9188	3	6
MESAVERDE	9246	9250	3	12

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~9017' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~8870'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8752	8756	3	12

MESAVERDE	8786	8790	3	12
MESAVERDE	8834	8840	3	18

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8712' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: TIGHT SPACING

9. Set 8000 psi CBP at ~8702'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8530	8534	4	16
MESAVERDE	8562	8564	4	8
MESAVERDE	8594	8596	3	6
MESAVERDE	8668	8672	3	12

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~8502' trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: TIGHT SPACING

11. Set 8000 psi CBP at ~8492'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8288	8290	3	6
MESAVERDE	8352	8356	3	12
MESAVERDE	8410	8414	4	16
MESAVERDE	8460	8462	3	6

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~8238' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~8150'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7996	8002	3	18
WASATCH	8030	8032	3	6
MESAVERDE	8114	8120	3	18

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7946' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~7236'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6996	6999	3	9
WASATCH	7076	7080	4	16
WASATCH	7166	7170	3	12
WASATCH	7204	7206	3	6

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6946' and flush only with recycled water.

17. Set 8000 psi CBP at~6946'.

18. TIH with 3 7/8" mill, pump off sub, SN and tubing.

19. Mill ALL plugs and clean out to PBTD at 10256. Land tubing at ±**9874**' pump off bit and bit sub. This well WILL be commingled at this time.

20. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

21. RDMO

For design questions, please call
Conner Staley, Denver, CO
(720)-929-6419 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

NOTES:
Tight Spacing on stages 2,3

Fracturing Schedules
Name NBU 921-16MT
Slickwater Frac

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	MESAVERDE	9067	9072	3	15	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	no perfs				0	ISIP and 5 min ISIP													58
	MESAVERDE	9120	9122	3	6	50	Slickwater Pad			Slickwater	13,061	13,061	311	311	15.0%	0.0%	0	0		39
	MESAVERDE	9186	9188	3	6	50	Slickwater Ramp	0.25	1	Slickwater	24,671	37,733	587	898	28.3%	16.7%	15,420	15,420		37
	MESAVERDE	9246	9250	3	12	50	SW Sweep	0	0	Slickwater	0	37,733	0	898		0.0%	0	15,420		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	24,671	62,404	587	1,486	28.3%	33.4%	30,839	46,259		37
	MESAVERDE					50	SW Sweep	0	0	Slickwater	5,250	67,654	125	1,611		0.0%	0	46,259		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	70,654	71	1,682		3.2%	3,000	49,259		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	24,671	92,325	587	2,198	28.3%	46.7%	43,175	92,433		0
	MESAVERDE					50	Flush (4-1/2")				5,886	98,211	140	2,338				92,433		58
	MESAVERDE						ISDP and 5 min ISDP					98,211								229
			# of Perfs/stage		39											gal/ft	50,625	53,740	lbs sand/ft	
														Flush depth	9017		CBP depth	8,870	147	
					46.0		<< Above pump time (min)													
2	MESAVERDE	8752	8756	3	12	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	8786	8790	3	12	0	ISIP and 5 min ISIP													
	MESAVERDE	8834	8840	3	18	50	Slickwater Pad			Slickwater	8,049	8,049	192	192	15.0%	0.0%	0	0		24
	MESAVERDE					50	Slickwater Ramp	0.25	1	Slickwater	15,204	23,254	362	554	28.3%	17.2%	9,503	9,503		23
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	23,254	0	554		0.0%	0	9,503		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	15,204	38,458	362	916	28.3%	34.5%	19,005	28,508		23
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	38,458	0	916		0.0%	0	28,508		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	38,458	0	916		0.0%	0	28,508		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	15,204	53,663	362	1,278	28.3%	48.3%	26,608	55,116		0
	MESAVERDE					50	Flush (4-1/2")				5,687	59,350	135	1,413				55,116		57
	MESAVERDE						ISDP and 5 min ISDP					59,350								126
			# of Perfs/stage		42											gal/ft	50,625	51,996	lbs sand/ft	
														Flush depth	8712		CBP depth	9,702	10	
					25.6		<< Above pump time (min)													
3	MESAVERDE	8530	8534	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	8562	8564	4	8	0	ISIP and 5 min ISIP													
	MESAVERDE	8594	8596	3	6	50	Slickwater Pad			Slickwater	8,880	8,880	211	211	15.0%	0.0%	0	0		27
	MESAVERDE	8668	8672	3	12	50	Slickwater Ramp	0.25	1	Slickwater	16,773	25,653	399	611	28.3%	17.2%	10,483	10,483		25
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	25,653	0	611		0.0%	0	10,483		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	16,773	42,427	399	1,010	28.3%	34.5%	20,967	31,450		25
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	42,427	0	1,010		0.0%	0	31,450		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	42,427	0	1,010		0.0%	0	31,450		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	16,773	59,200	399	1,410	28.3%	48.3%	29,353	60,803		0
	MESAVERDE					50	Flush (4-1/2")				5,550	64,750	132	1,542				60,803		55
	MESAVERDE						ISDP and 5 min ISDP					64,750								132
			# of Perfs/stage		42											gal/ft	80,000	82,167	lbs sand/ft	
														Flush depth	8502		CBP depth	8,492	10	
					28.2		<< Above pump time (min)													
4	MESAVERDE	8288	8290	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	8352	8356	3	12	0	ISIP and 5 min ISIP													
	MESAVERDE	no perfs				50	Slickwater Pad			Slickwater	9,120	9,120	217	217	15.0%	0.0%	0	0		27
	MESAVERDE	8410	8414	4	16	50	Slickwater Ramp	0.25	1	Slickwater	17,227	26,347	410	627	28.3%	17.2%	10,767	10,767		26
	MESAVERDE	8460	8462	3	6	50	SW Sweep	0	0	Slickwater	0	26,347	0	627		0.0%	0	10,767		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	17,227	43,573	410	1,037	28.3%	34.5%	21,533	32,300		26
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	43,573	0	1,037		0.0%	0	32,300		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	43,573	0	1,037		0.0%	0	32,300		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	17,227	60,800	410	1,448	28.3%	48.3%	30,147	62,447		0
	MESAVERDE					50	Flush (4-1/2")				5,378	66,178	128	1,576				62,447		53
	MESAVERDE						ISDP and 5 min ISDP					66,178								132
			# of Perfs/stage		40											gal/ft	80,000	82,167	lbs sand/ft	
														Flush depth	8238		CBP depth	8,150	88	
					29.0		<< Above pump time (min)													
5	WASATCH	7996	8002	3	18	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	8030	8032	3	6	0	ISIP and 5 min ISIP													
	MESAVERDE	8114	8120	3	18	50	Slickwater Pad			Slickwater	5,809	5,809	138	138	15.0%	0.0%	0	0		17
	MESAVERDE					50	Slickwater Ramp	0.25	1	Slickwater	10,973	16,782	261	400	28.3%	17.2%	6,858	6,858		16
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	16,782	0	400		0.0%	0	6,858		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	10,973	27,755	261	661	28.3%	34.5%	13,716	20,574		16
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	27,755	0	661		0.0%	0	20,574		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	27,755	0	661		0.0%	0	20,574		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	10,973	38,727	261	922	28.3%	48.3%	19,202	39,776		0
	MESAVERDE					50	Flush (4-1/2")				5,187	43,915	124	1,046				39,776		47
	MESAVERDE						ISDP and 5 min ISDP					43,915								97
			# of Perfs/stage		42											gal/ft	25,312	25,998	lbs sand/ft	
														Flush depth	7946		CBP depth	7,236	710	
					18.4		<< Above pump time (min)													
6	WASATCH	6996	6999	3	9	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7076	7080	4	16	0	ISIP and 5 min ISIP													
	WASATCH	7166	7170	3	12	50	Slickwater Pad			Slickwater	3,645	3,645	87	87	15.0%	0.0%	0	0		11
	WASATCH	7204	7206	3	6	50	Slickwater Ramp	0.25	1	Slickwater	6,885	10,530	164	251	28.3%	17.2%	4,303	4,303		10
	WASATCH					50	SW Sweep	0	0	Slickwater	0	10,530	0	251		0.0%	0	4,303		0
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	6,885	17,415	164	415	28.3%	34.5%	8,606	12,909		10
	WASATCH					50	SW Sweep	0	0	Slickwater	0	17,415	0	415		0.0%	0	12,909		0
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	17,415	0	415		0.0%	0	12,909		0
	WASATCH					50	Slickwater Ramp	1.5	2	Slickwater	6,885	24,300	164	579	28.3%	48.3%	12,049	24,958		0
	WASATCH					50	Flush (4-1/2")				4,534	28,834	108	687				24,958		0
	WASATCH						ISDP and 5 min ISDP					28,834								32
			# of Perfs/stage		43											gal/ft	25,312	25,998	lbs sand/ft	
														Flush depth	6946		CBP depth	6,946	0	LOOK
					11.6															
	Totals				248						Total Fluid	355,859	gals	8,601	bbls		Total Sand		336,533	
												8,473	bbls							
					2.7									19.1	tanks				Total Scale Inhib. =	748

Name NBU 921-16MT
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	MESAVERDE	9067	9072	3	15		9048.5	to	9079.5
	MESAVERDE		no perfs				9091.5	to	9101
	MESAVERDE	9120	9122	3	6		9102.5	to	9128.5
	MESAVERDE	9186	9188	3	6		9168.5	to	9191
	MESAVERDE	9246	9250	3	12		9212.5	to	9274.5
	# of Perfs/stage				39		CBP DEPTH	8,870	
2	MESAVERDE	8752	8756	3	12		8743	to	8760.5
	MESAVERDE	8786	8790	3	12		8777	to	8797
	MESAVERDE	8834	8840	3	18		8810.5	to	8843.5
	# of Perfs/stage				42		CBP DEPTH	8,702	
3	MESAVERDE	8530	8534	4	16		8523.5	to	8544.5
	MESAVERDE	8562	8564	4	8		8555	to	8591
	MESAVERDE	8594	8596	3	6		8592.5	to	8601.5
	MESAVERDE	8668	8672	3	12		8657	to	8672.5
	# of Perfs/stage				42		CBP DEPTH	8,492	
4	MESAVERDE	8288	8290	3	6		8285.5	to	8294.5
	MESAVERDE	8352	8356	3	12		8349	to	8361
	MESAVERDE		no perfs				8389.5	to	8395.5
	MESAVERDE	8410	8414	4	16		8399	to	8432.5
	MESAVERDE	8460	8462	3	6		8453	to	8462
	# of Perfs/stage				40		CBP DEPTH	8,150	
5	WASATCH	7996	8002	3	18		7991	to	8006
	WASATCH	8030	8032	3	6		8027.5	to	8032
	MESAVERDE	8114	8120	3	18		8098.5	to	8123
	# of Perfs/stage				42		CBP DEPTH	7,236	
6	WASATCH	6996	6999	3	9		6992.5	to	7007
	WASATCH	7076	7080	4	16		7073.5	to	7090
	WASATCH	7166	7170	3	12		7163.5	to	7175.5
	WASATCH	7204	7206	3	6		7201	to	7209
	# of Perfs/stage				43		CBP DEPTH	6,946	
	Totals				248				

Fracturing Schedules
Name NBU 921-16MT
Slickwater Frac

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	MESAVERDE	9067	9072	3	15	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	no perfs				0	ISIP and 5 min ISIP													58
	MESAVERDE	9120	9122	3	6	50	Slickwater Pad			Slickwater	13,061	13,061	311	311	15.0%	0.0%	0	0		39
	MESAVERDE	9186	9188	3	6	50	Slickwater Ramp	0.25	1	Slickwater	24,671	37,733	587	898	28.3%	16.7%	15,420	15,420		37
	MESAVERDE	9246	9250	3	12	50	**SW Sweep**	0	0	Slickwater	0	37,733	0	898		0.0%	0	15,420		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	24,671	62,404	587	1,486	28.3%	33.4%	30,839	46,259		37
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	**5,250**	67,654	125	1,611		0.0%	0	46,259		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	**3,000**	70,654	71	1,682		3.2%	3,000	49,259		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	24,671	92,325	587	2,198	28.3%	46.7%	43,175	92,433		0
	MESAVERDE					50	Flush (4-1/2")				5,886	98,211	140	2,338				92,433		58
	MESAVERDE						ISDP and 5 min ISDP					98,211								229
			# of Perfs/stage		39									Flush depth	9017	gal/ft	**50,625**	**53,740**	lbs sand/ft	
						46.8	<< Above pump time (min)										CBP depth	8,870	147	
2	MESAVERDE	8752	8756	3	12	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	8786	8790	3	12	0	ISIP and 5 min ISIP													
	MESAVERDE	8834	8840	3	18	50	Slickwater Pad			Slickwater	8,049	8,049	192	192	15.0%	0.0%	0	0		24
	MESAVERDE					50	Slickwater Ramp	0.25	1	Slickwater	15,204	23,254	362	554	28.3%	17.2%	9,503	9,503		23
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	23,254	0	554		0.0%	0	9,503		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	15,204	38,458	362	916	28.3%	34.5%	19,005	28,508		23
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	38,458	0	916		0.0%	0	28,508		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	38,458	0	916		0.0%	0	28,508		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	15,204	53,663	362	1,278	28.3%	48.3%	26,608	55,116		0
	MESAVERDE					50	Flush (4-1/2")				5,687	59,350	135	1,413				55,116		57
	MESAVERDE						ISDP and 5 min ISDP					59,350								126
			# of Perfs/stage		42									Flush depth	8712	gal/ft	**50,625**	**51,996**	lbs sand/ft	
						25.6	<< Above pump time (min)										CBP depth	8,702	10	
3	MESAVERDE	8530	8534	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	8562	8564	4	8	0	ISIP and 5 min ISIP													
	MESAVERDE	8594	8596	3	6	50	Slickwater Pad			Slickwater	8,880	8,880	211	211	15.0%	0.0%	0	0		27
	MESAVERDE	8668	8672	3	12	50	Slickwater Ramp	0.25	1	Slickwater	16,773	25,653	399	611	28.3%	17.2%	10,483	10,483		25
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	25,653	0	611		0.0%	0	10,483		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	16,773	42,427	399	1,010	28.3%	34.5%	20,967	31,450		25
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	42,427	0	1,010		0.0%	0	31,450		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	42,427	0	1,010		0.0%	0	31,450		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	16,773	59,200	399	1,410	28.3%	48.3%	29,353	60,803		0
	MESAVERDE					50	Flush (4-1/2")				5,550	64,750	132	1,542				60,803		55
	MESAVERDE						ISDP and 5 min ISDP					64,750								132
			# of Perfs/stage		42									Flush depth	8502	gal/ft	**80,000**	**82,167**	lbs sand/ft	
						28.2	<< Above pump time (min)										CBP depth	8,492	10	
4	MESAVERDE	8288	8290	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	8352	8356	3	12	0	ISIP and 5 min ISIP													
	MESAVERDE	no perfs				50	Slickwater Pad			Slickwater	9,120	9,120	217	217	15.0%	0.0%	0	0		27
	MESAVERDE	8410	8414	4	16	50	Slickwater Ramp	0.25	1	Slickwater	17,227	26,347	410	627	28.3%	17.2%	10,767	10,767		26
	MESAVERDE	8460	8462	3	6	50	**SW Sweep**	0	0	Slickwater	0	26,347	0	627		0.0%	0	10,767		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	17,227	43,573	410	1,037	28.3%	34.5%	21,533	32,300		26
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	43,573	0	1,037		0.0%	0	32,300		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	43,573	0	1,037		0.0%	0	32,300		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	17,227	60,800	410	1,448	28.3%	48.3%	30,147	62,447		0
	MESAVERDE					50	Flush (4-1/2")				5,378	66,178	128	1,576				62,447		53
	MESAVERDE						ISDP and 5 min ISDP					66,178								132
			# of Perfs/stage		40									Flush depth	8238	gal/ft	**80,000**	**82,167**	lbs sand/ft	
						29.0	<< Above pump time (min)										CBP depth	8,150	88	
5	WASATCH	7996	8002	3	18	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	8030	8032	3	6	0	ISIP and 5 min ISIP													
	MESAVERDE	8114	8120	3	18	50	Slickwater Pad			Slickwater	5,809	5,809	138	138	15.0%	0.0%	0	0		17
	MESAVERDE					50	Slickwater Ramp	0.25	1	Slickwater	10,973	16,782	261	400	28.3%	17.2%	6,858	6,858		16
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	16,782	0	400		0.0%	0	6,858		0
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	10,973	27,755	261	661	28.3%	34.5%	13,716	20,574		16
	MESAVERDE					50	**SW Sweep**	0	0	Slickwater	0	27,755	0	661		0.0%	0	20,574		0
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	27,755	0	661		0.0%	0	20,574		0
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	10,973	38,727	261	922	28.3%	48.3%	19,202	39,776		0
	MESAVERDE					50	Flush (4-1/2")				5,187	43,915	124	1,046				39,776		47
	MESAVERDE						ISDP and 5 min ISDP					43,915								97
			# of Perfs/stage		42									Flush depth	7946	gal/ft	**25,312**	**25,998**	lbs sand/ft	
						18.4	<< Above pump time (min)										CBP depth	7,236	710	
6	WASATCH	6996	6999	3	9	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7076	7080	4	16	0	ISIP and 5 min ISIP													
	WASATCH	7166	7170	3	12	50	Slickwater Pad			Slickwater	3,645	3,645	87	87	15.0%	0.0%	0	0		11
	WASATCH	7204	7206	3	6	50	Slickwater Ramp	0.25	1	Slickwater	6,885	10,530	164	251	28.3%	17.2%	4,303	4,303		10
	WASATCH					50	**SW Sweep**	0	0	Slickwater	0	10,530	0	251		0.0%	0	4,303		0
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	6,885	17,415	164	415	28.3%	34.5%	8,606	12,909		10
	WASATCH					50	**SW Sweep**	0	0	Slickwater	0	17,415	0	415		0.0%	0	12,909		0
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	17,415	0	415		0.0%	0	12,909		0
	WASATCH					50	Slickwater Ramp	1.5	2	Slickwater	6,885	24,300	164	579	28.3%	48.3%	12,049	24,958		0
	WASATCH					50	Flush (4-1/2")				4,534	28,834	108	687				24,958		0
	WASATCH						ISDP and 5 min ISDP					28,834								32
			# of Perfs/stage		43									Flush depth	6946	gal/ft	**25,312**	**25,998**	lbs sand/ft	
						11.6											CBP depth	6,946	0	LOOK
	Totals				248						**Total Fluid**	**355,859**	gals	**8,601**	bbls		**Total Sand**	**335,533**		
												8,473	bbls							
						2.7								**19.1**	tanks				Total Scale Inhib. =	**748**

Estimated Total Completion Cost	$283,910

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-3141-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: NBU 921-16MT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739362

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1261'FSL, 1248'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED THE RECOMPLETE ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE WASATCH AND MESAVERDE FORMATIONS, AND COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATIONS. THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 04/06/2009 AT 9:00 AM.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE _____ DATE 4/8/2009

(This space for State use only)

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(5/2000) (See Instructions on Reverse Side)

ROCKIES

Operation Summary Report

Well: NBU 921-16MT	Spud Conductor: 8/11/2008	Spud Date: 8/12/2008	
Project: UTAH	Site: UINTAH		Rig Name No: GWS 1/1
Event: RECOMPLETION	Start Date: 3/30/2009		End Date:
Active Datum: RKB @4,841.00ft (above Mean Sea Level)	UWI: NBU 921-16MT		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/30/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. WIND SAFTY. MAKE SURE PIPE IS SECURE IN TBG BOARD.
	7:30 - 15:00	7.50	COMP	31	I	P		RU RIG. BLOW WELL DOWN T/ PROD TANK. FLOWING WELL PSI 55#. PUMP 20 BBLS 2% KCL DOWN TBG T/ CONT WELL. ND WH, NU BOP. RU TBG EQUIP. UNLAND TBG, LD 4 1/16 TBG HNGR. POOH W/ TBG. LD 17 JTS 2 3/8, L-80 & STDBACK 292 JTS 2 3/8, L-80. ND BOP, NU FRAC VALVES. SWI. PUT WELL DOWN SALES LINE FOR NITE. WATER USED 140 BBLS T/ CONTROL. 2 3/8, L-80 LOOKED GOOD NO SCALE @ ALL.
3/31/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. WERE YOU SHOULD HAVE YOUR H2S MONITOR ON YOUR BODY.
	7:30 - 18:00	10.50	COMP	34	I	P		FLOWING WELL PSI 100#. BLOW WELL DOWN T/ PROD TANK. MIRU SCHLUMBERGER W.L.. PU 4 1/2 GR. RIH T/ 9300'. POOH. PU 4 1/2, 10K HALIBURTON CBP. RIH SET CBP @ 9280'. POOH. RIG PUMP T/ CSG, FILL CSG W/ 120 BBLS 2% KCL & PSI T/ 3200# W/ RIG PUMP. MIRU B&C QUICK TEST. CONT PSI T/ 6200#. GOOD TEST. BLEED OFF PSI. RDMO B&C QUICK TEST. STG 1) PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH PERF F/ 9246'-50', 3 SPF, 12 HOLES. 9186'-88', 3 SPF, 6 HOLES. 9120'-22', 3 SPF, 6 HOLES. 9067'-72', 3 SPF, 15 HOLES. POOH, MIRU SCHLUMBERGER FRAC SERV. PSI TEST LINES T/ 7200#. GOOD TEST. BLEED DOWN PSI. OPEN WELL 475#. BEG PUMP, BRK @ 4082# @ 5.3 BPM. SD ISIP 3000#, FG .76. BEG FRAC, PUMP 85,071# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2950#, FG .75. X-OVER FOR W.L. STG 2)PU 4 1/2, 8K HALLIBURTON CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 8870' P/U PERF F/ 8834'-40', 3 SPF, 18 HOLES. 8786'-90', 3 SPF, 12 HOLES. 8752'-56', 3 SPF, 12 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1700#, BEG PUMP, BRK @ 3417# @ 5.3 BPM. SD ISIP 2250#, FG .69. BEG FRAC, PUMP 50,237# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2850#, FG .75. SWI, SDFN. PREP T/ W.L. STG 3 IN THE :AM.
4/4/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3000#, TP 1900#, 20/64" CK, 45 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 3523 BBLS LEFT TO RECOVER: 5323
4/5/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2025#, 20/64" CK, 24 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 4279 BBLS LEFT TO RECOVER: 4567

Operation Summary Report

Well: NBU 921-16MT	Spud Conductor: 8/11/2008	Spud Date: 8/12/2008
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1
Event: RECOMPLETION	Start Date: 3/30/2009	End Date:
Active Datum: RKB @4,841.00ft (above Mean Sea Level)	UWI: NBU 921-16MT	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
4/6/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1700#, 20/64" CK, 22 BWPH, TRACE SAND, 2000 GAS TTL BBLS RECOVERED: 4826 BBLS LEFT TO RECOVER: 4020
4/7/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 1500#, 20/64" CK, 20 BWPH, TRACE SAND, 2000 GAS TTL BBLS RECOVERED: 5318 BBLS LEFT TO RECOVER: 3528

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETION

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1261'FSL, 1248'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST ML-3141-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: TRIBAL SURFACE
7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
8. WELL NAME and NUMBER: NBU 921-16MT
9. API NUMBER: 4304739362
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 9S, 21E
12. COUNTY: UINTAH
13. STATE: UTAH

14. DATE SPUDDED: 8/11/2008
15. DATE T.D. REACHED: 10/19/2008
16. DATE COMPLETED: 4/6/2009 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 4823'GL
18. TOTAL DEPTH: MD 10,310 TVD
19. PLUG BACK T.D.: MD 10,150 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
N/A
23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,760		660			
7 7/8"	4 1/2 I-80	11.6#		10,310		1760			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	9,885							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WASATCH	6,996	7,206		
(B) WSTCH/MESA	7,996	8,120		
(C) MESAVERDE	8,530	9,250		
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
6,996	7,206	0.36	43	Open ☑ Squeezed ☐
7,996	8,120	0.36	42	Open ☑ Squeezed ☐
8,530	9,250	0.36	123	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6996'-7206'	PMP 853 BBLS SLICK H2O & 39,253# 30/50 OTTOWA SD
7996'-8120'	PMP 1539 BBLS SLICK H2O & 61,787# 30/50 OTTOWA SD
8530'-9250'	PMP 5438 BBLS SLICK H2O & 205,460# 30/50 OTTOWA SD

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000) (CONTINUED ON BACK)

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/6/2009		4/8/2009		24			0	2,048	480	FLOWING
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,178	2,261					0	2,048	480	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/6/2009		4/8/2009		24			0	2,048	480	FLOWING
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,178	2,261					0	2,048	480	PROD

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/6/2009		4/8/2009		24			0	2,048	480	FLOWING
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,178	2,261					0	2,048	480	PROD

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,674				
BIRDS NEST	1,986				
MAHOGANY	2,496				
WASATCH	5,100	8,048			
MESAVERDE	8,064	10,309			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 5/11/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)